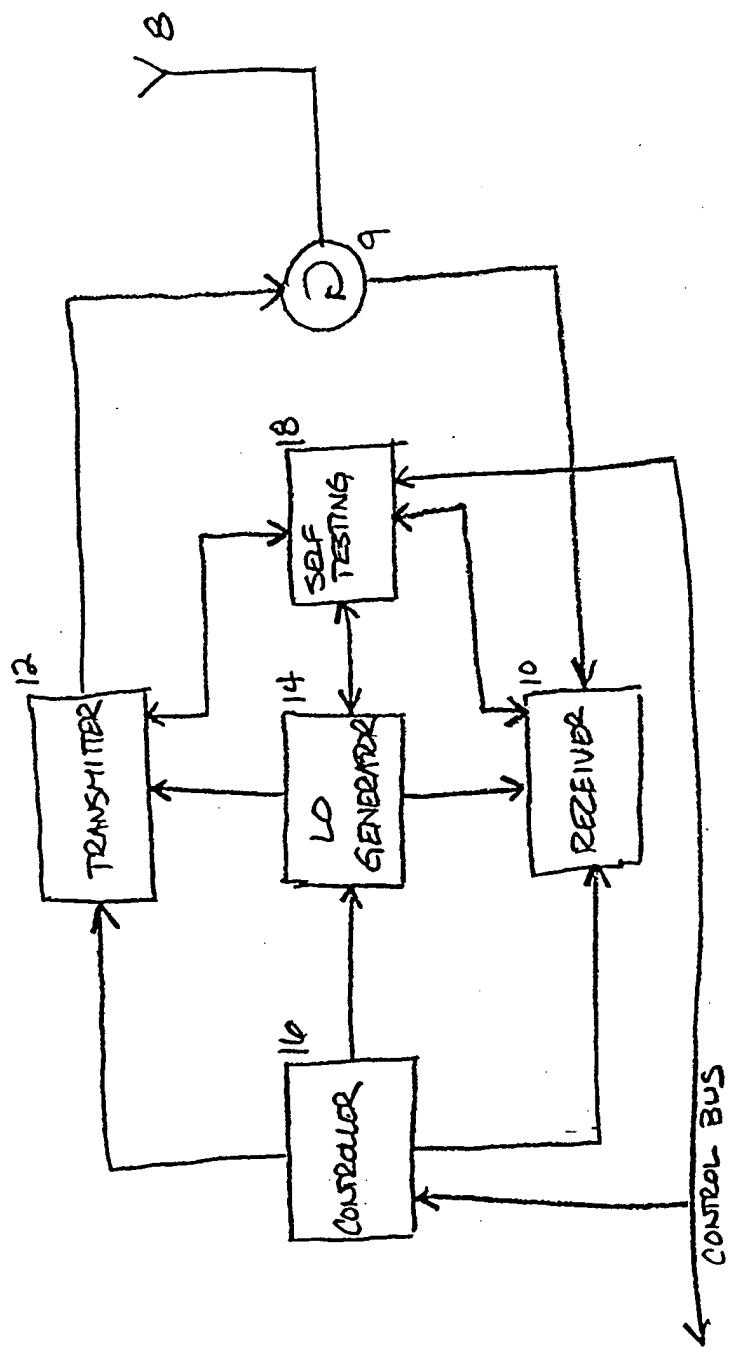


FIG. 1



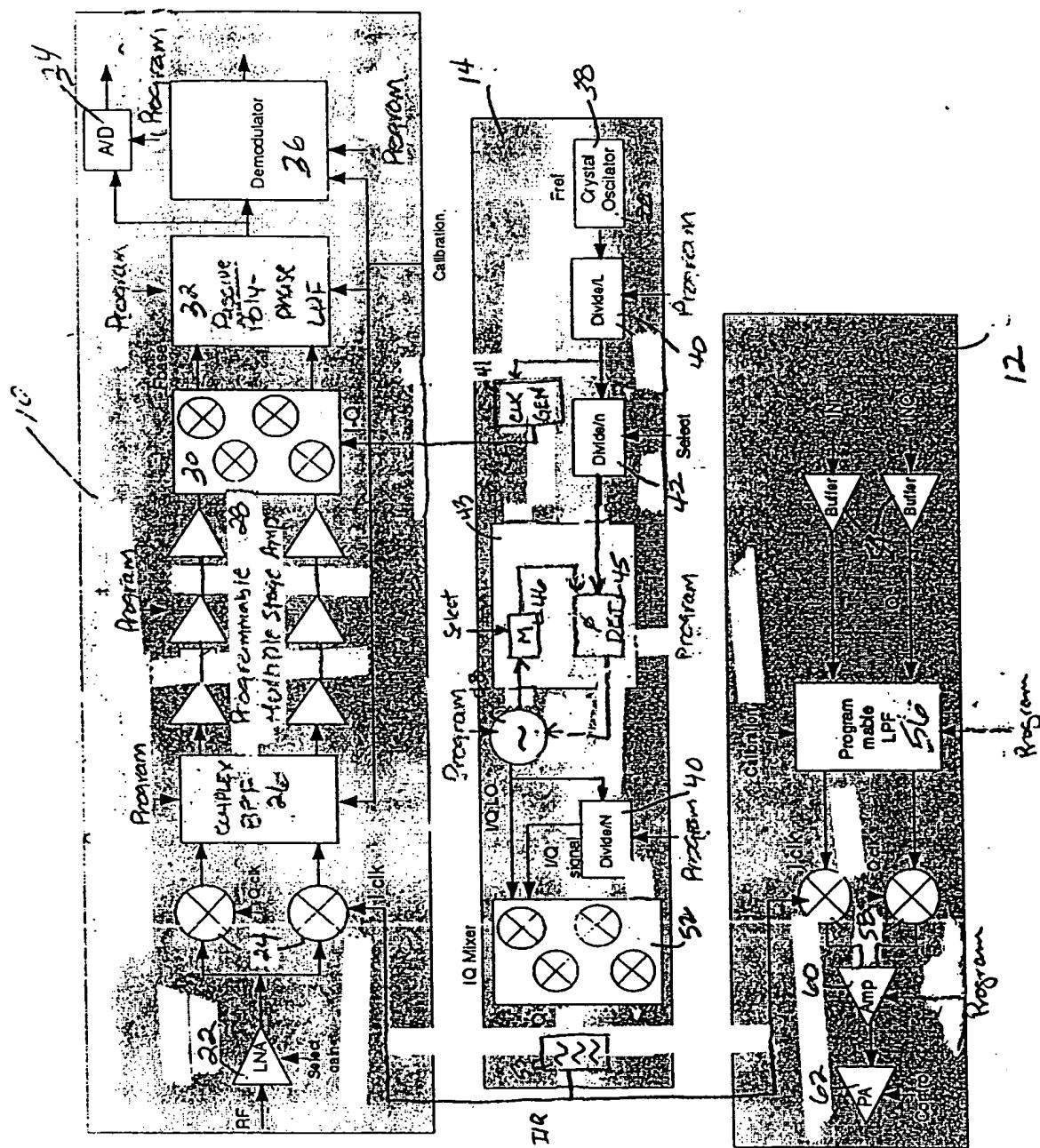
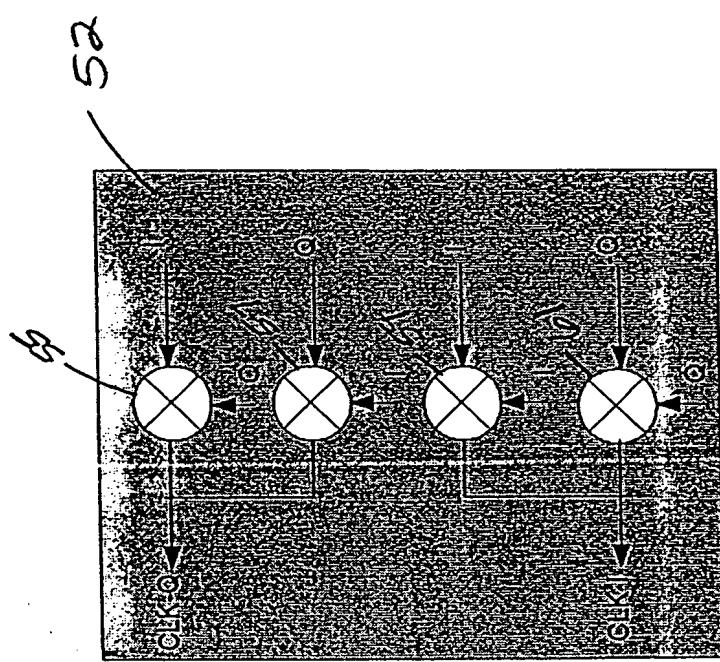


Fig. 2



三
E
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II

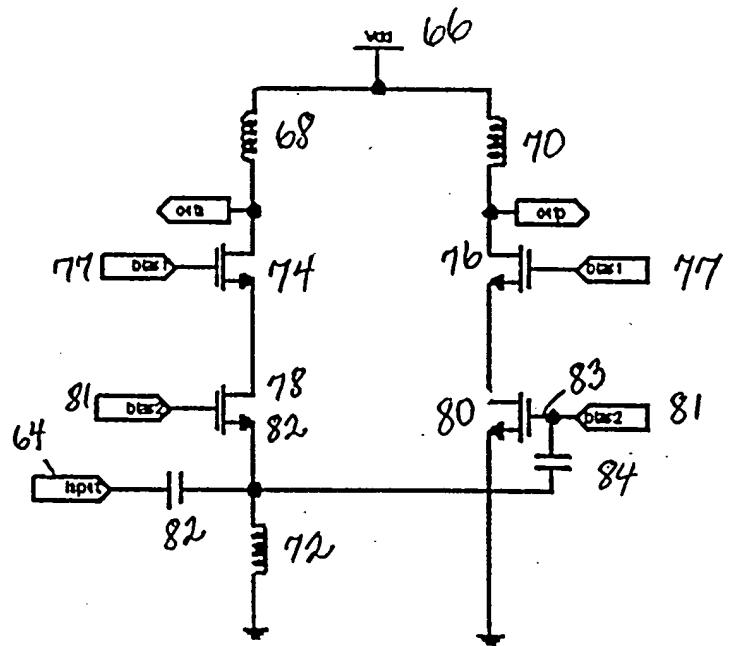


FIG. 4

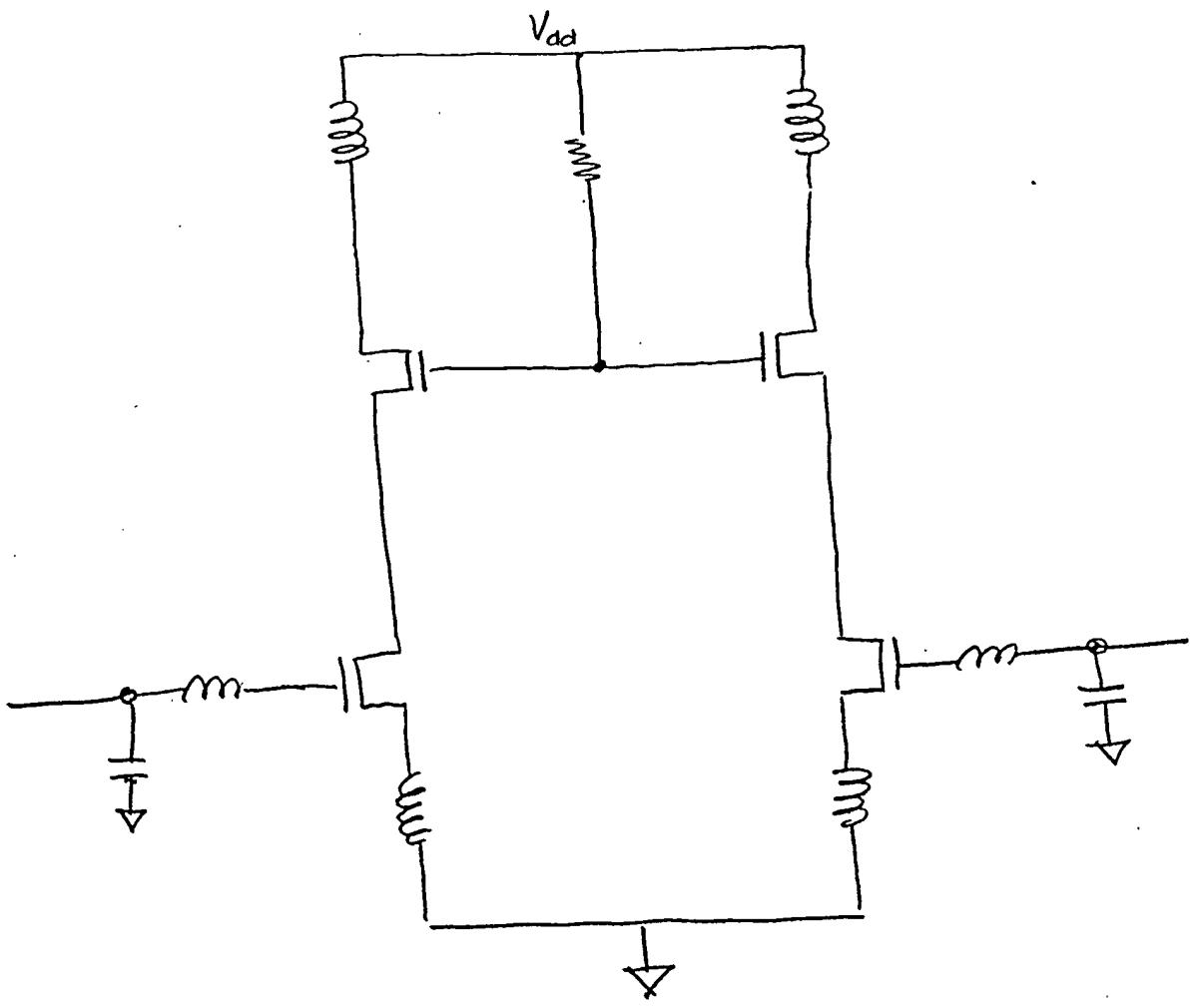
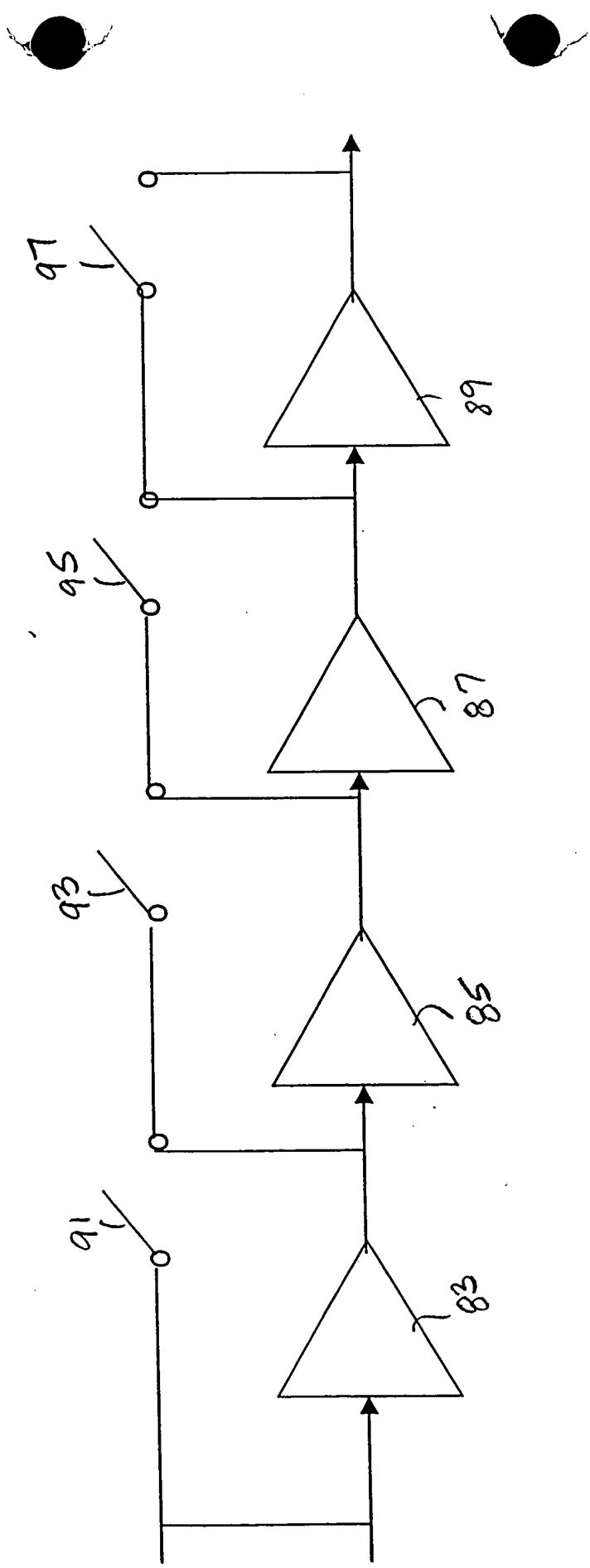


FIG. 4 (a)

FIG. 5



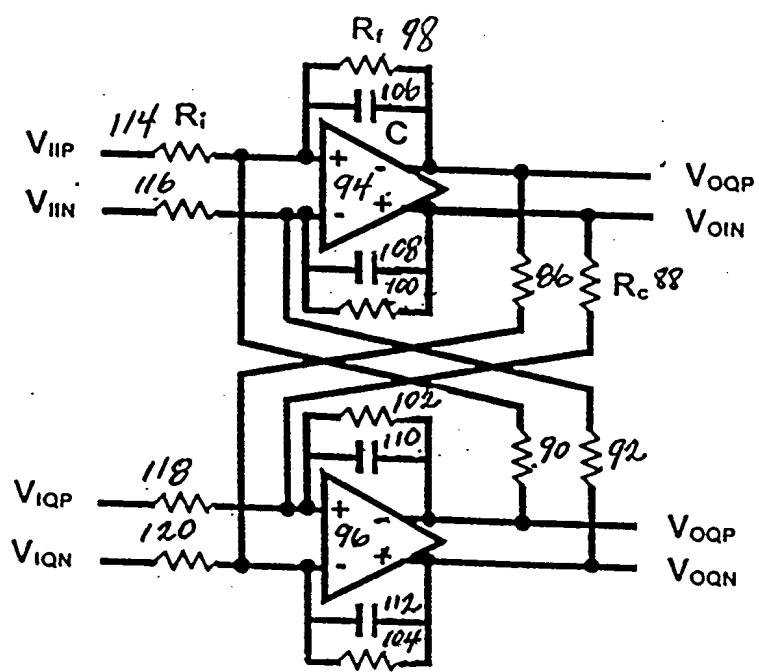


FIG. 6

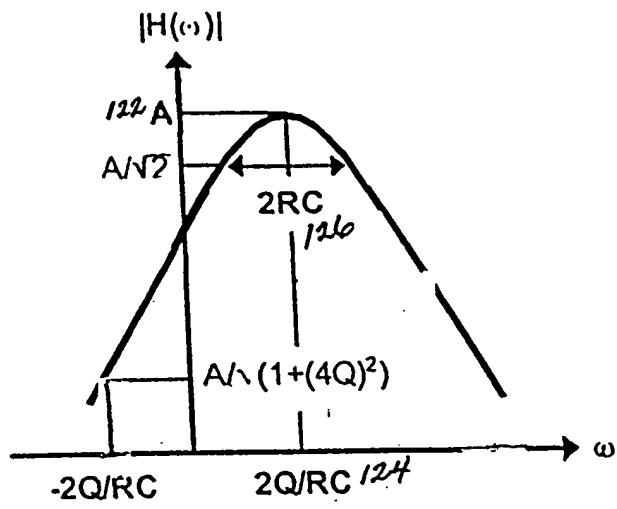


FIG. 7

09696550 - 36 40 22 37 00 00

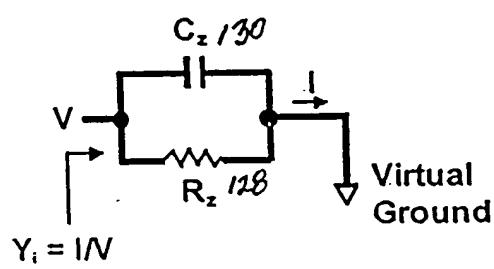


FIG. 8

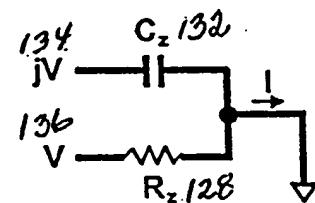


FIG. 9

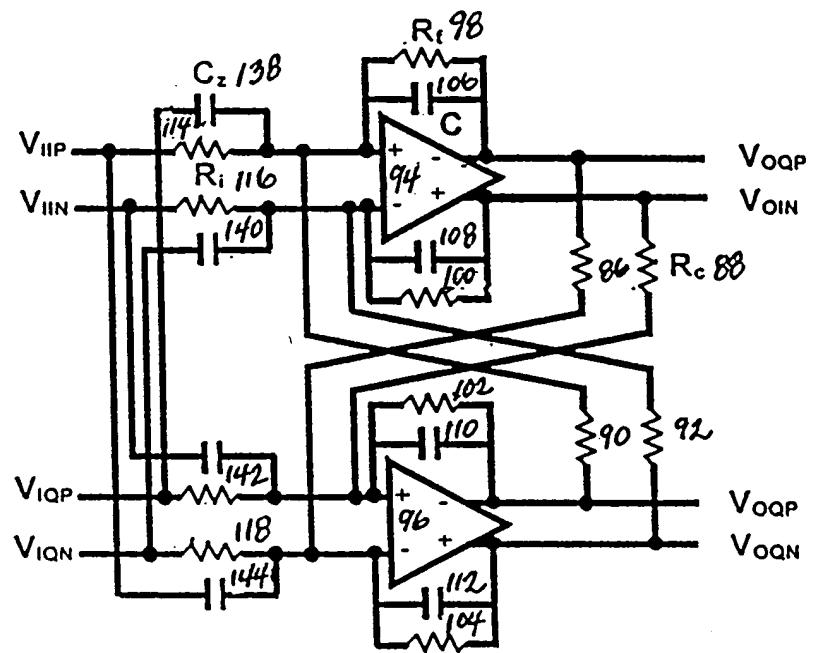


FIG. 10

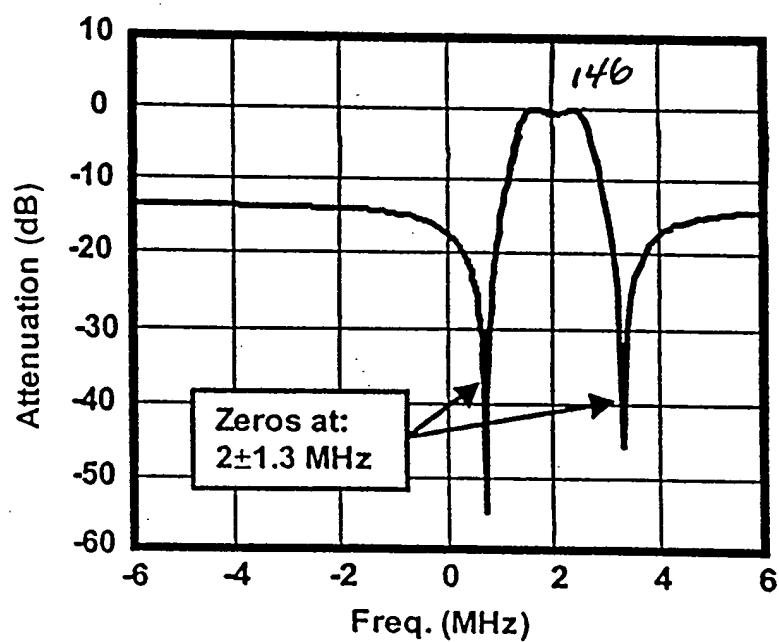


FIG. 11

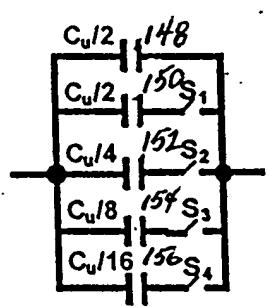


FIG. 12(a)

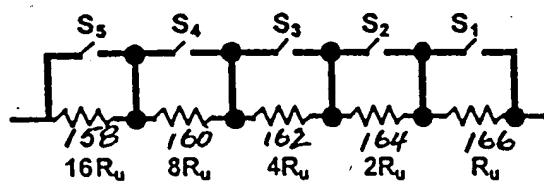


FIG. 12(b)

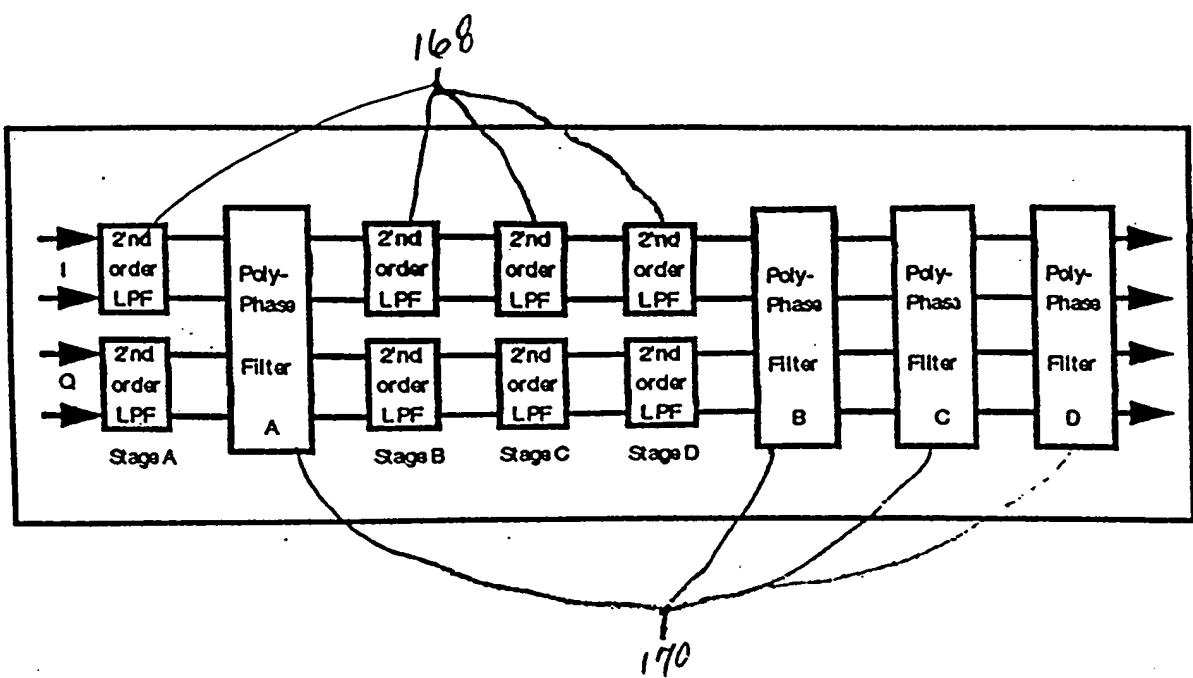
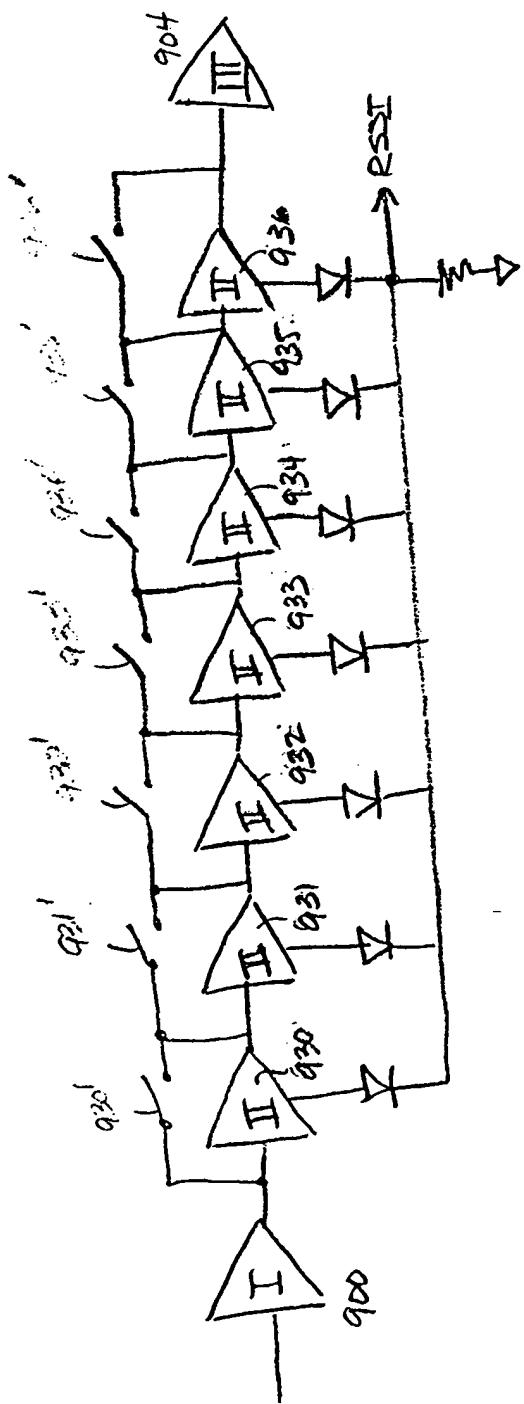


FIG. 13

FIG. 14



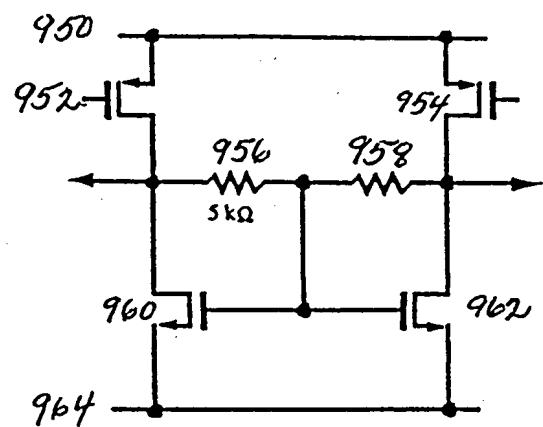


FIG. 15

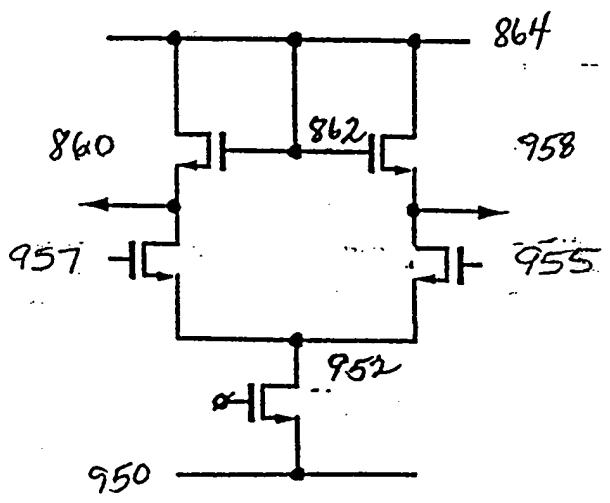


FIG. 16(a)

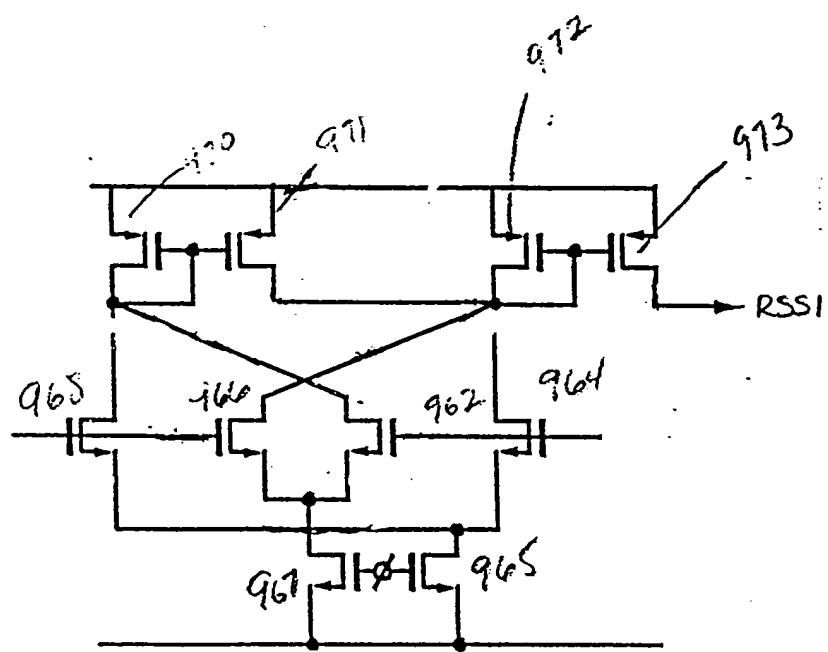


FIG. 16(b)

FIG. 17(a)

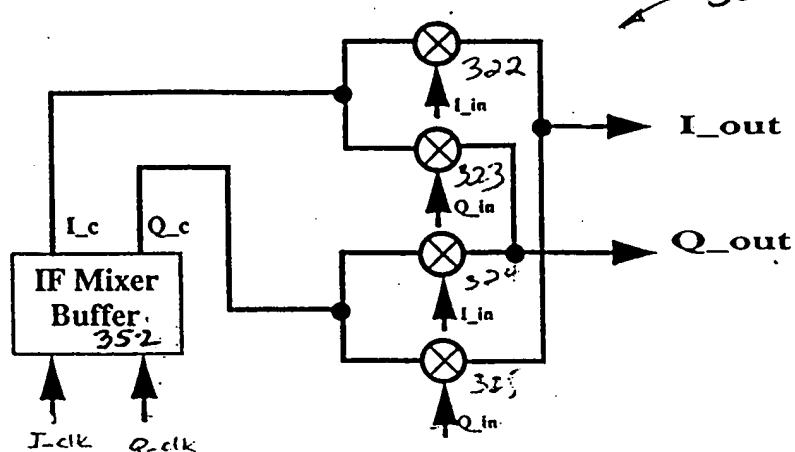
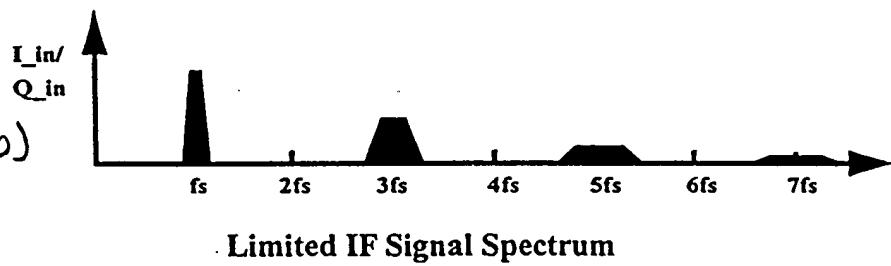
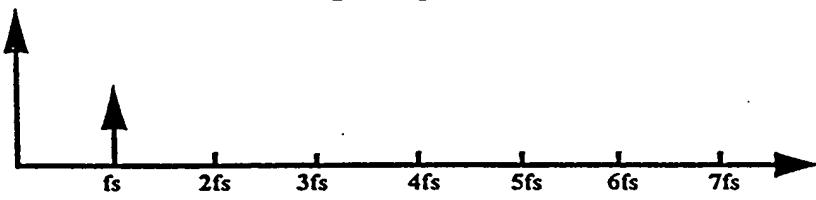


FIG. 17(b)



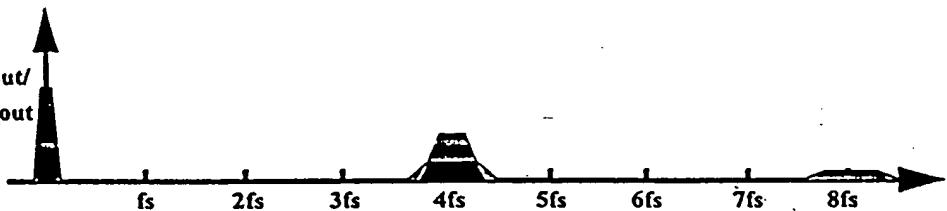
Limited IF Signal Spectrum

FIG. 17(c) I_c/Q_c



Sinusoidal Input Spectrum

FIG. 17(d)



IF Mixer Output Spectrum

FIG. 18

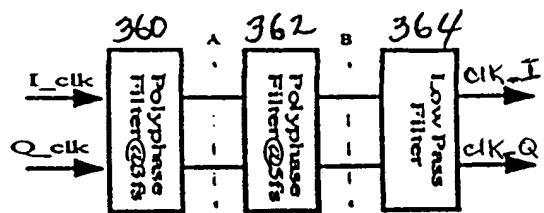


FIG. 19(a)

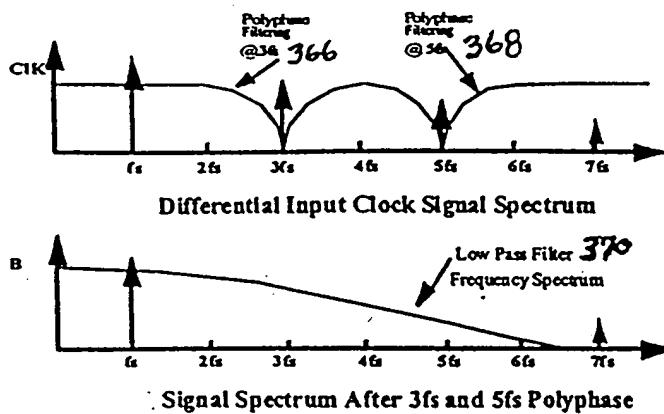


FIG. 19(b)

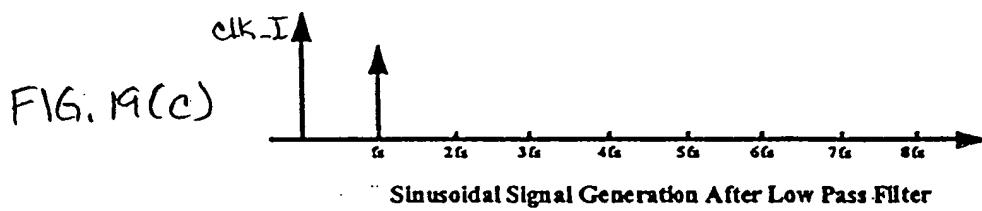


FIG. 19(c)

FIG. 19d

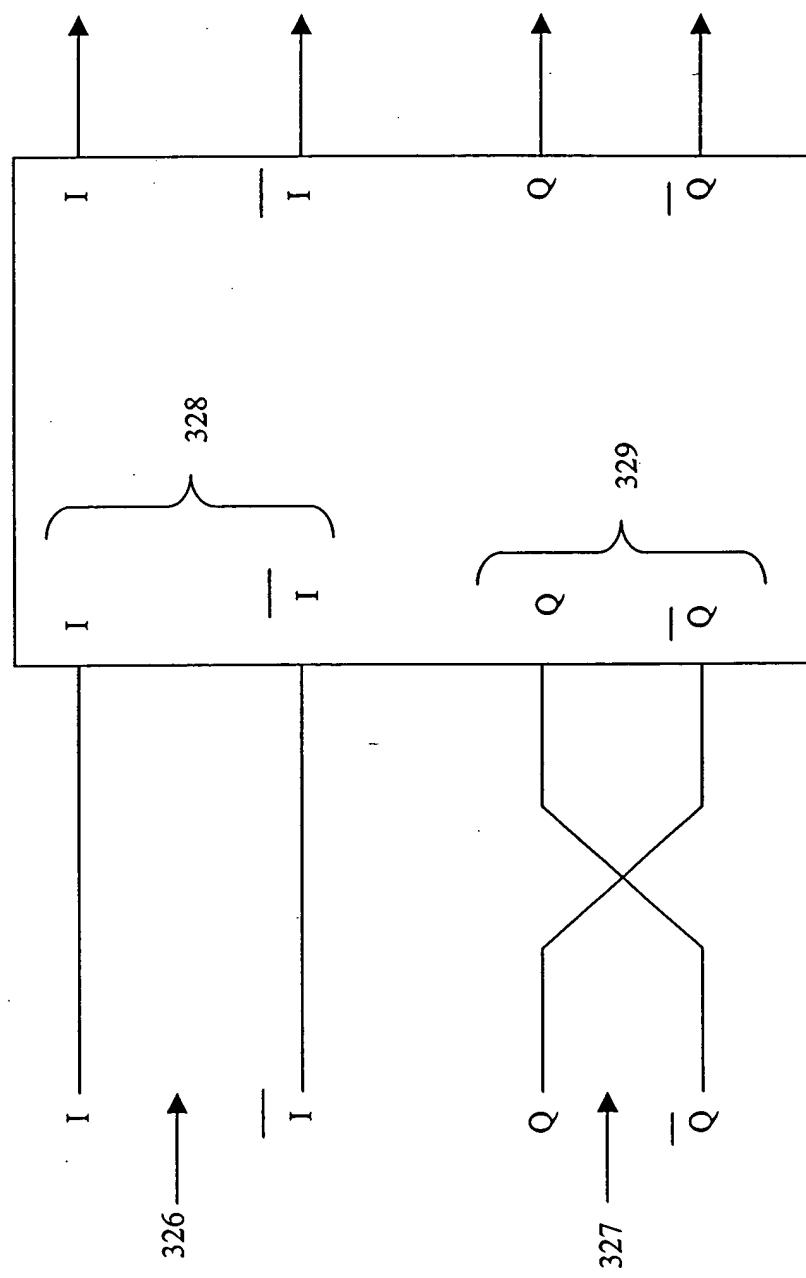


FIG. 19e

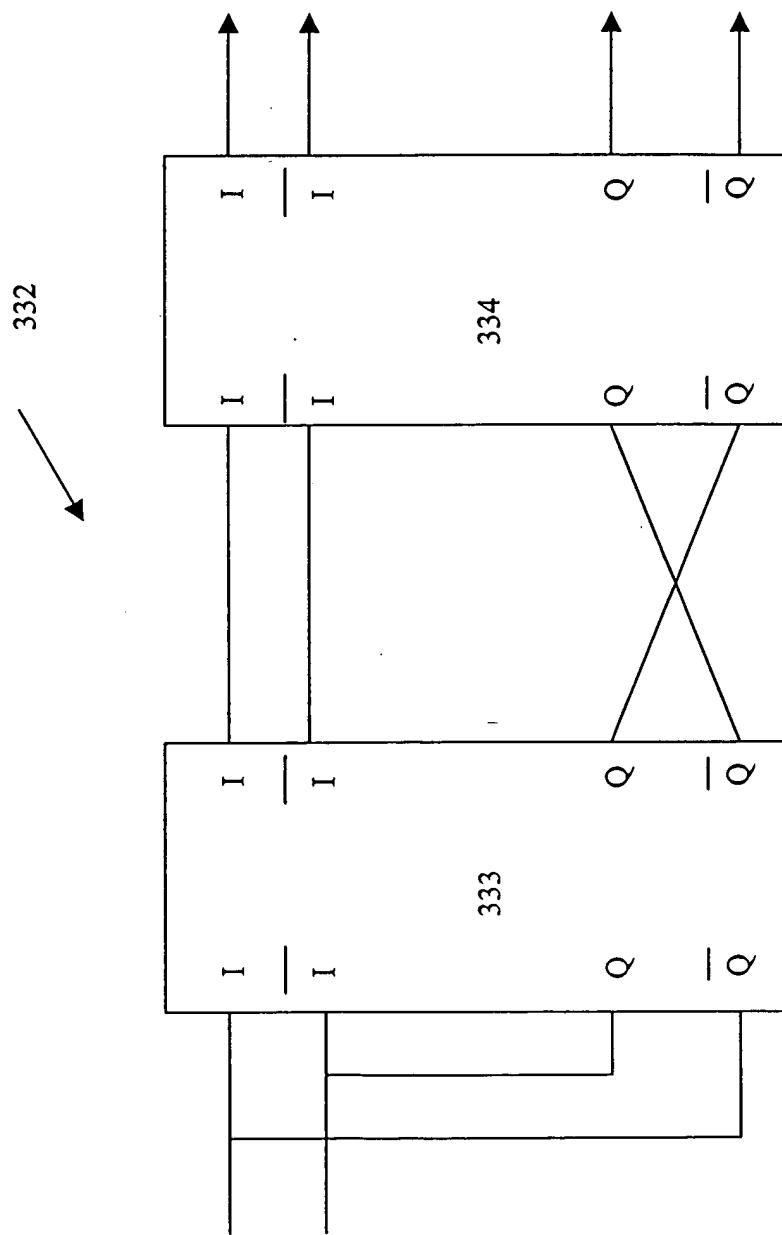


FIG. 19f

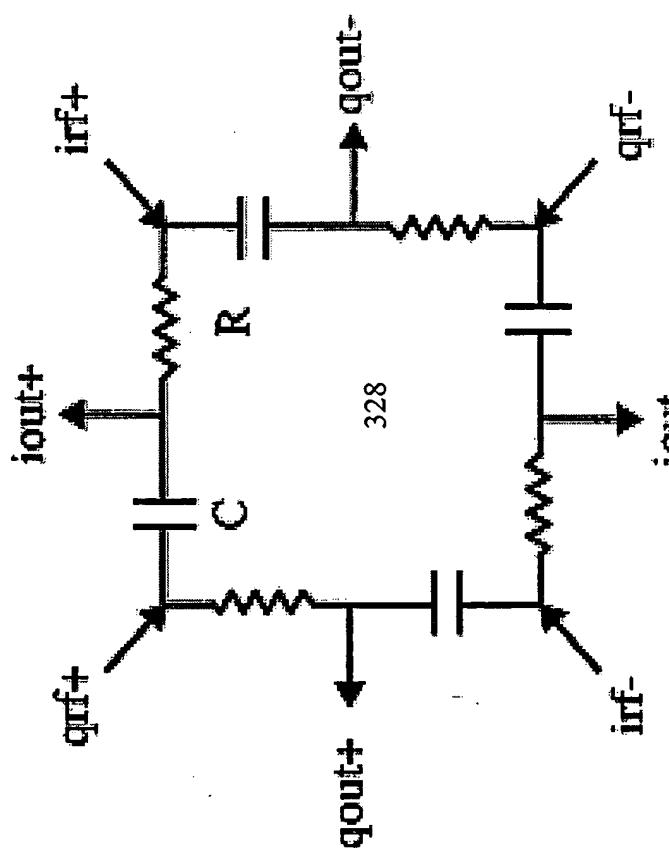
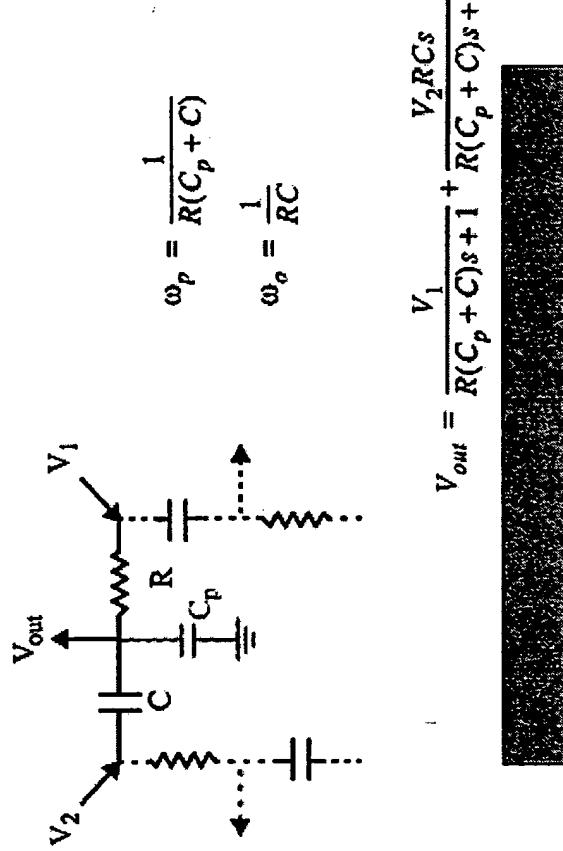


FIG. 19g



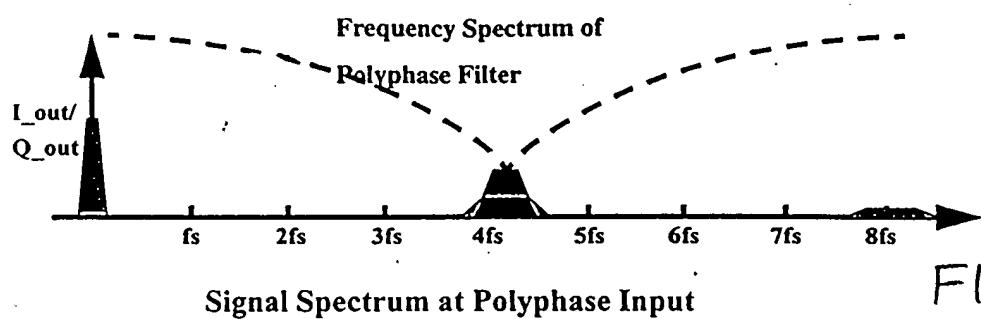


FIG. 20(a)

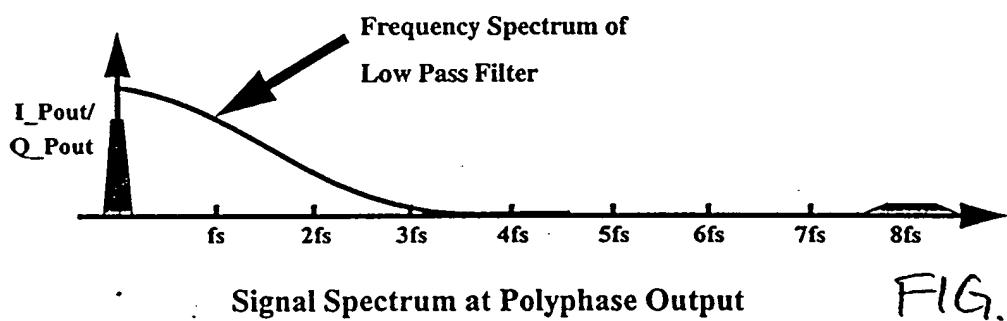


FIG. 20(b)

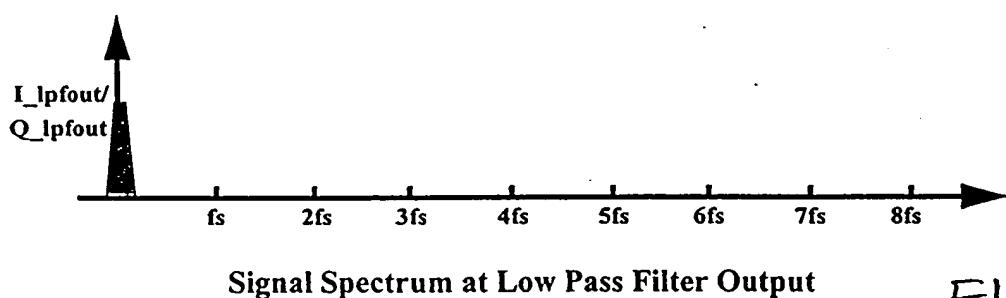


FIG. 20(c)

0 0 0 0 0 0 0 0 0 0 0 0 0 0

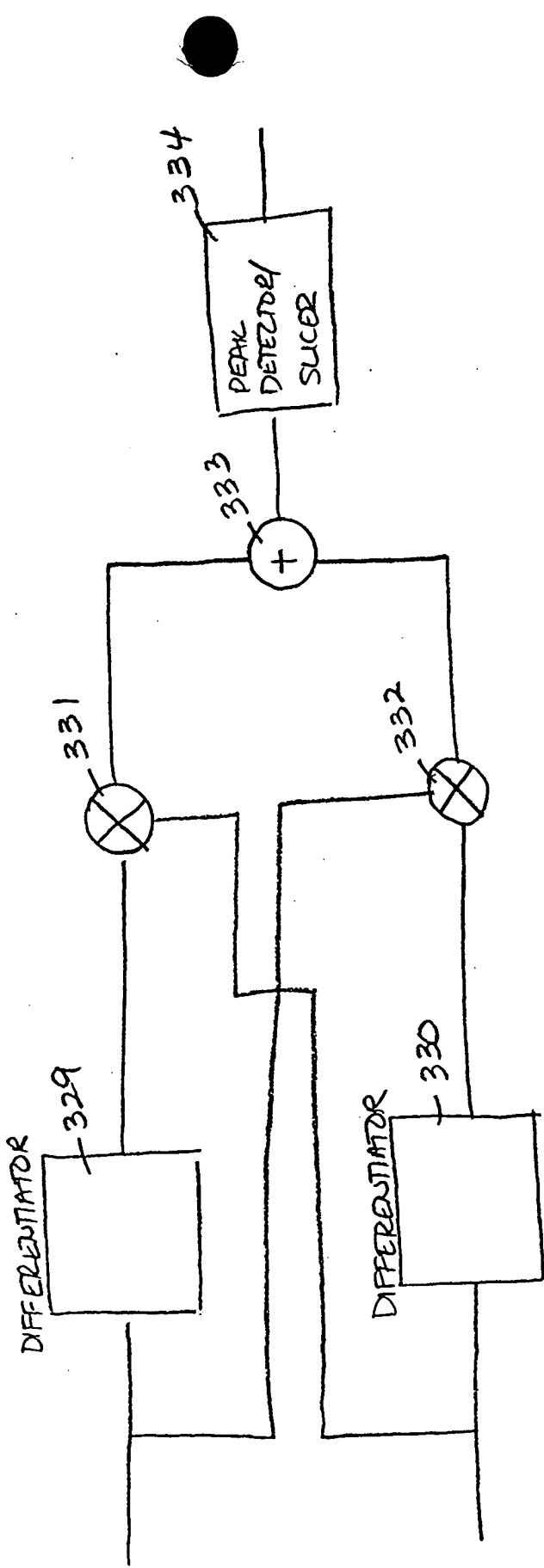


FIG. 21

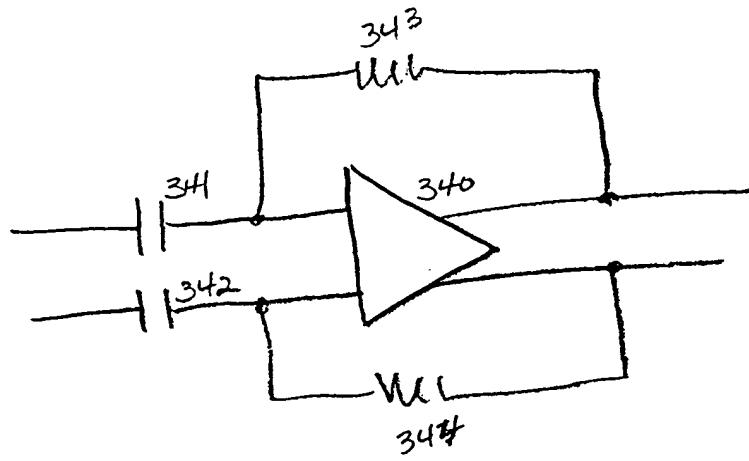


FIGURE 22

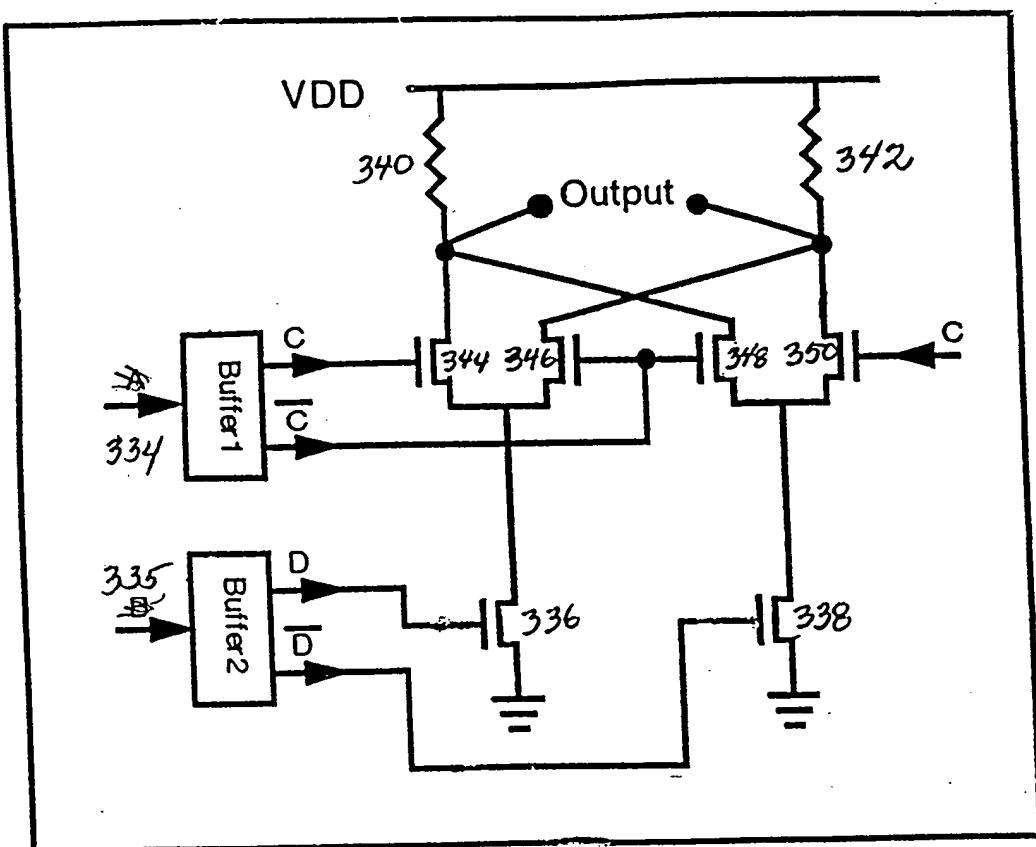


FIG. 23

FIGURE 24

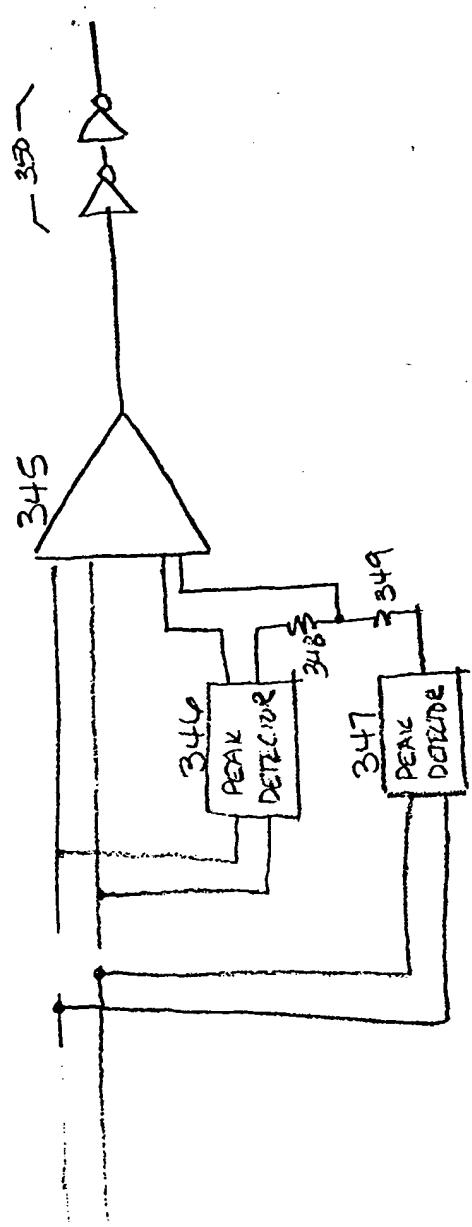


FIG. 25

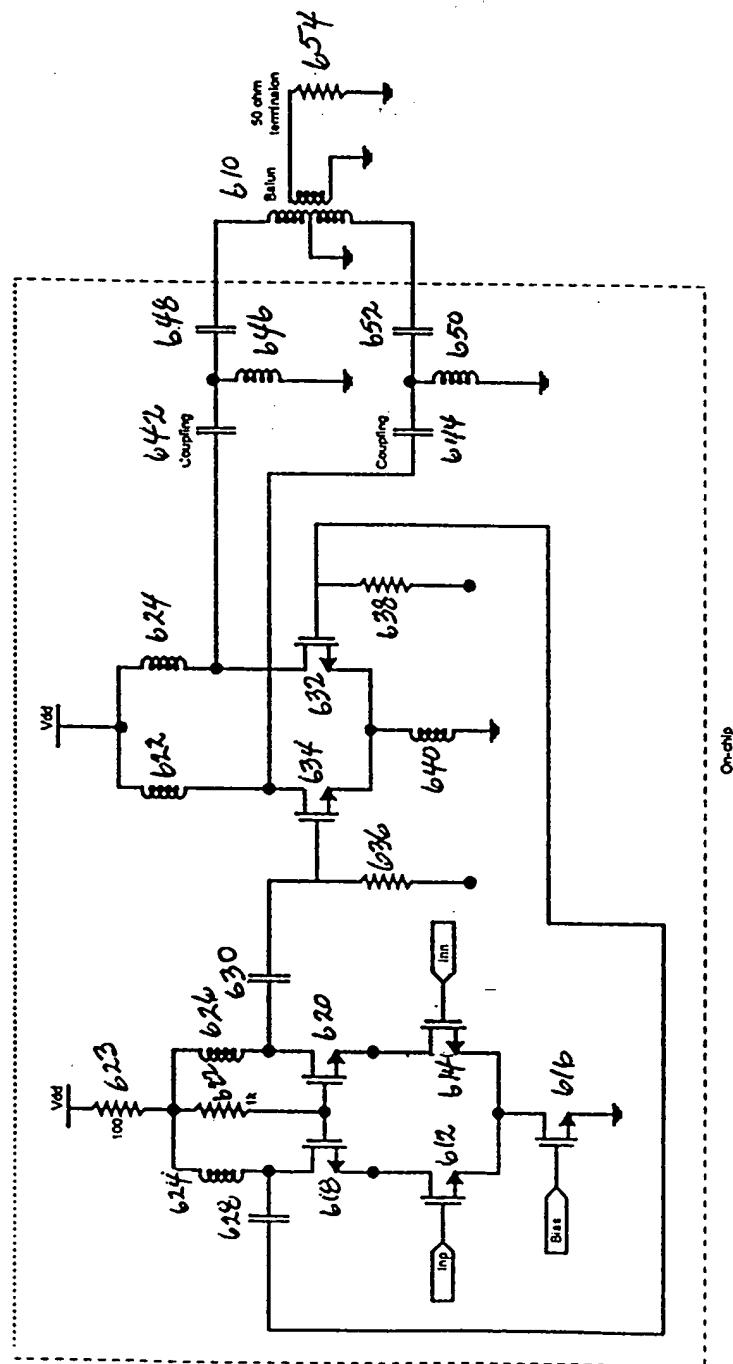


FIG. 26(a)

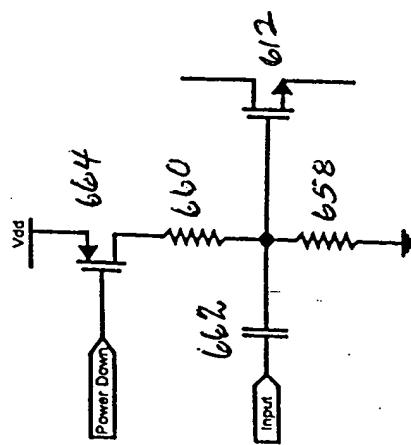
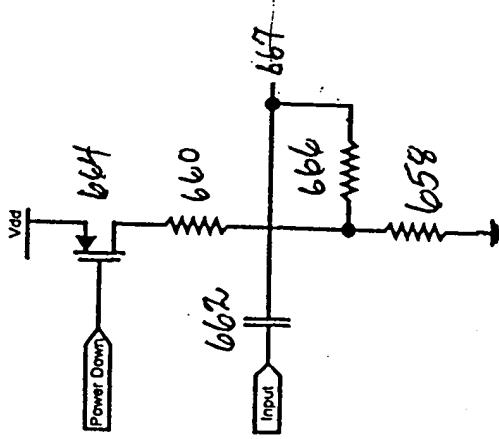


FIG. 26(b)



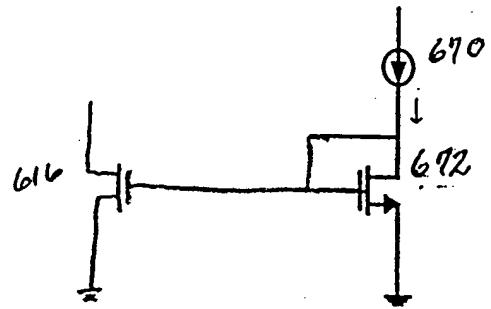


FIG. 27

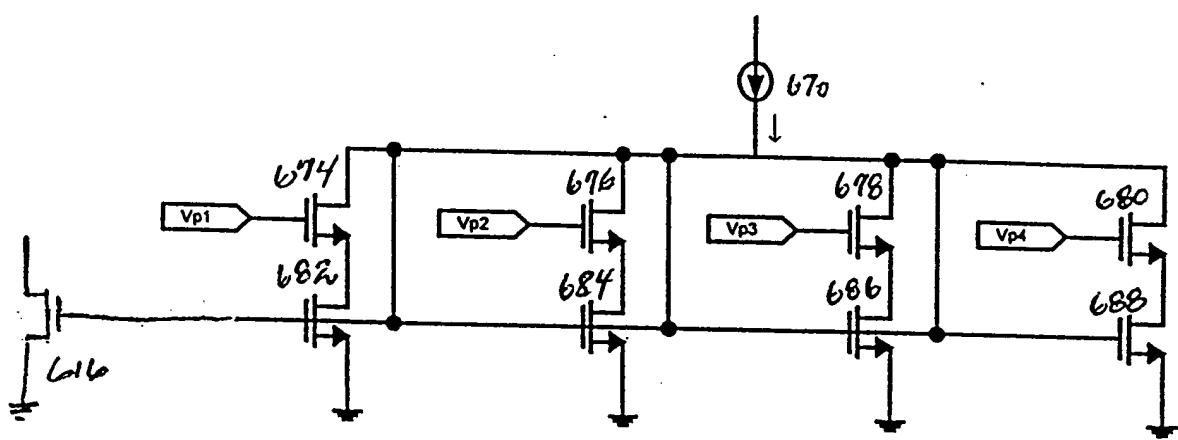


FIG. 28

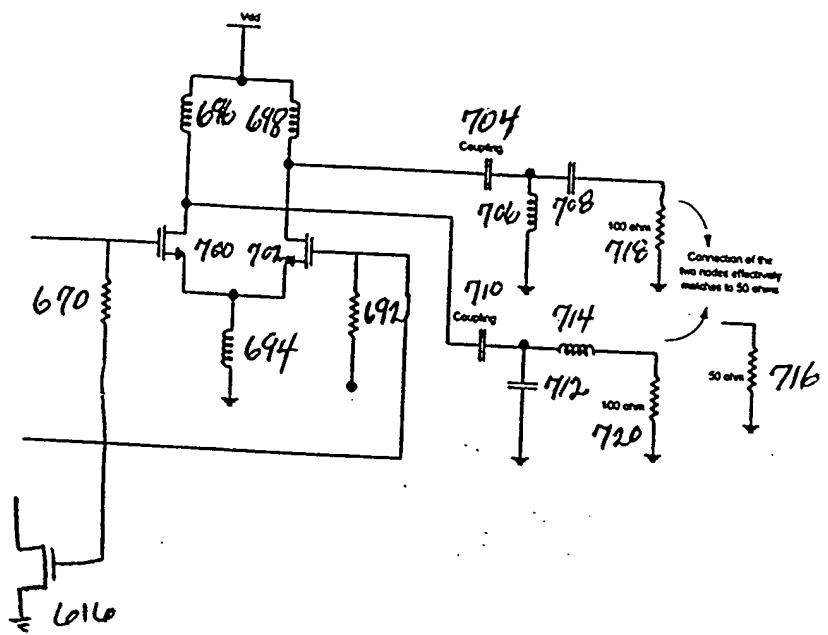


FIG. 29

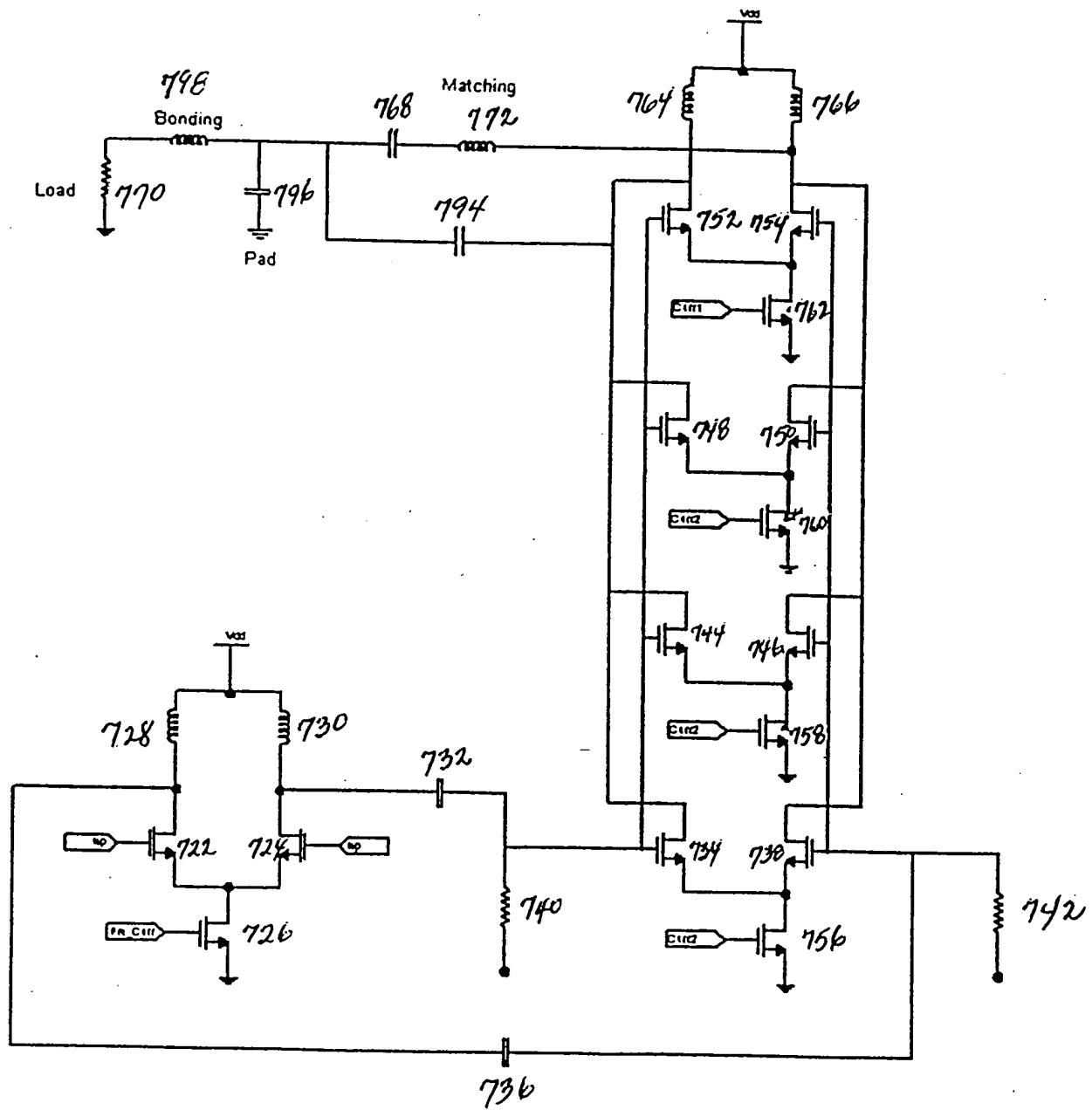
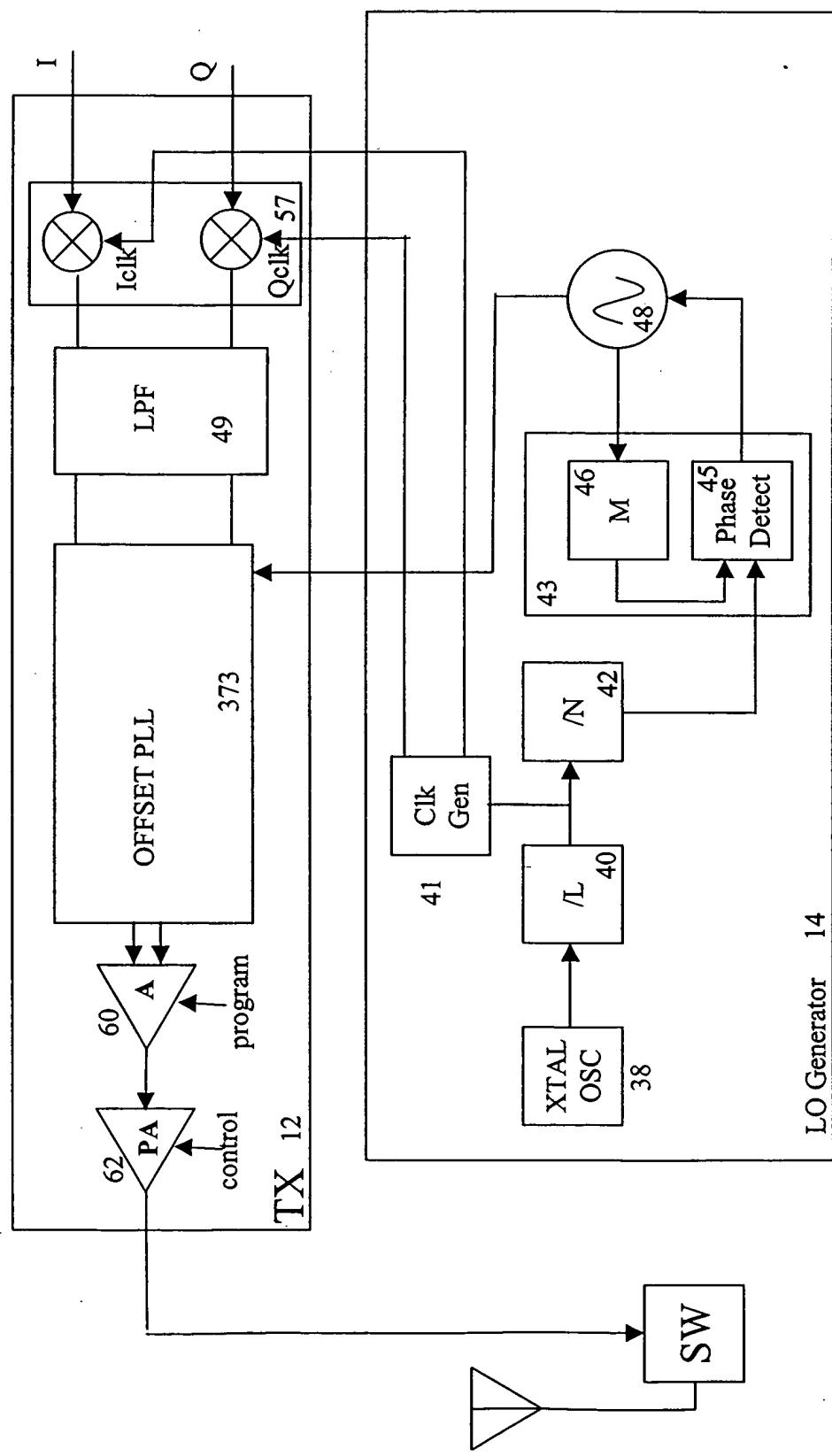


FIG. 30A

FIG. 30b



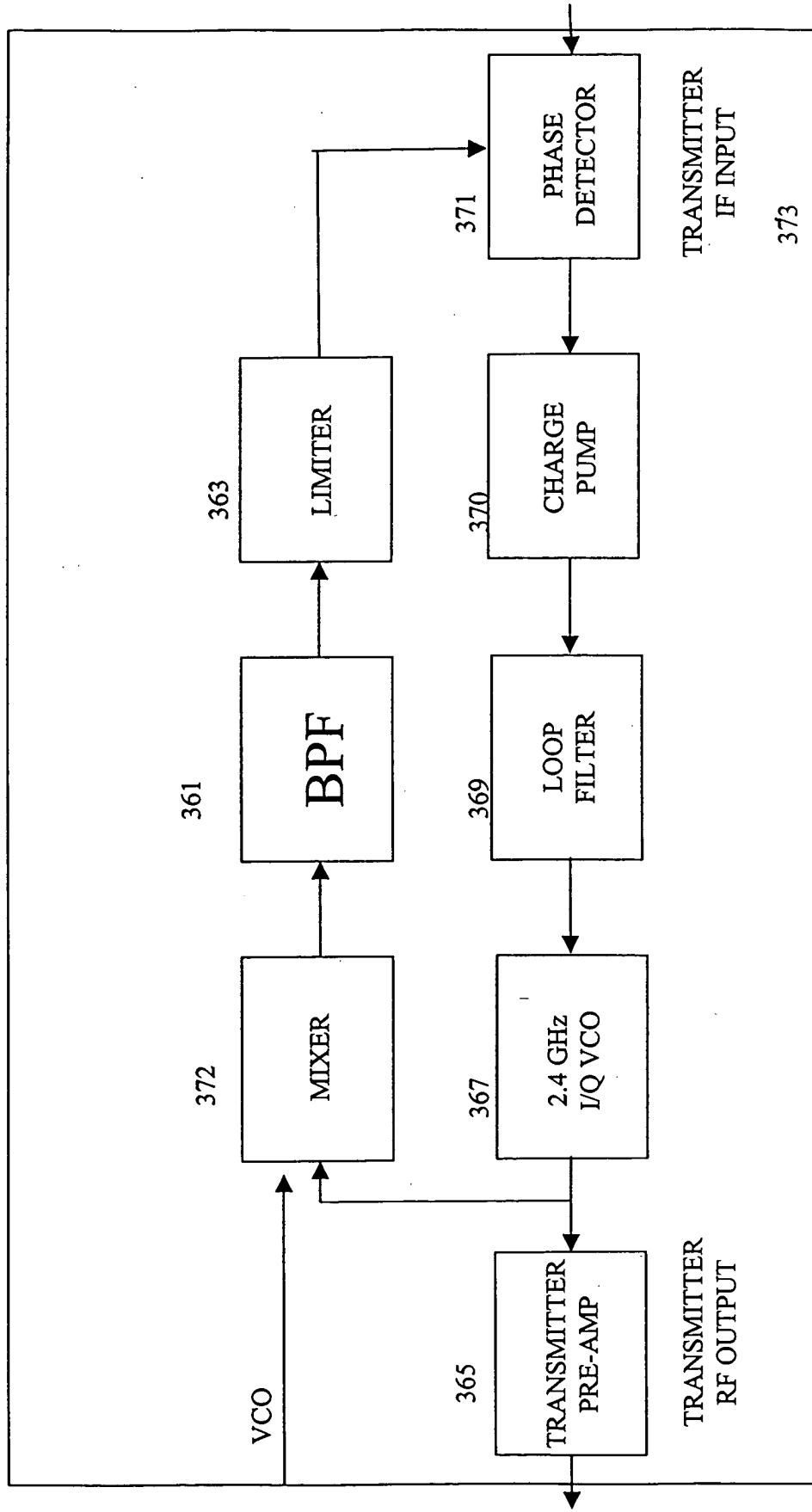


FIG. 30c

FIG. 30d

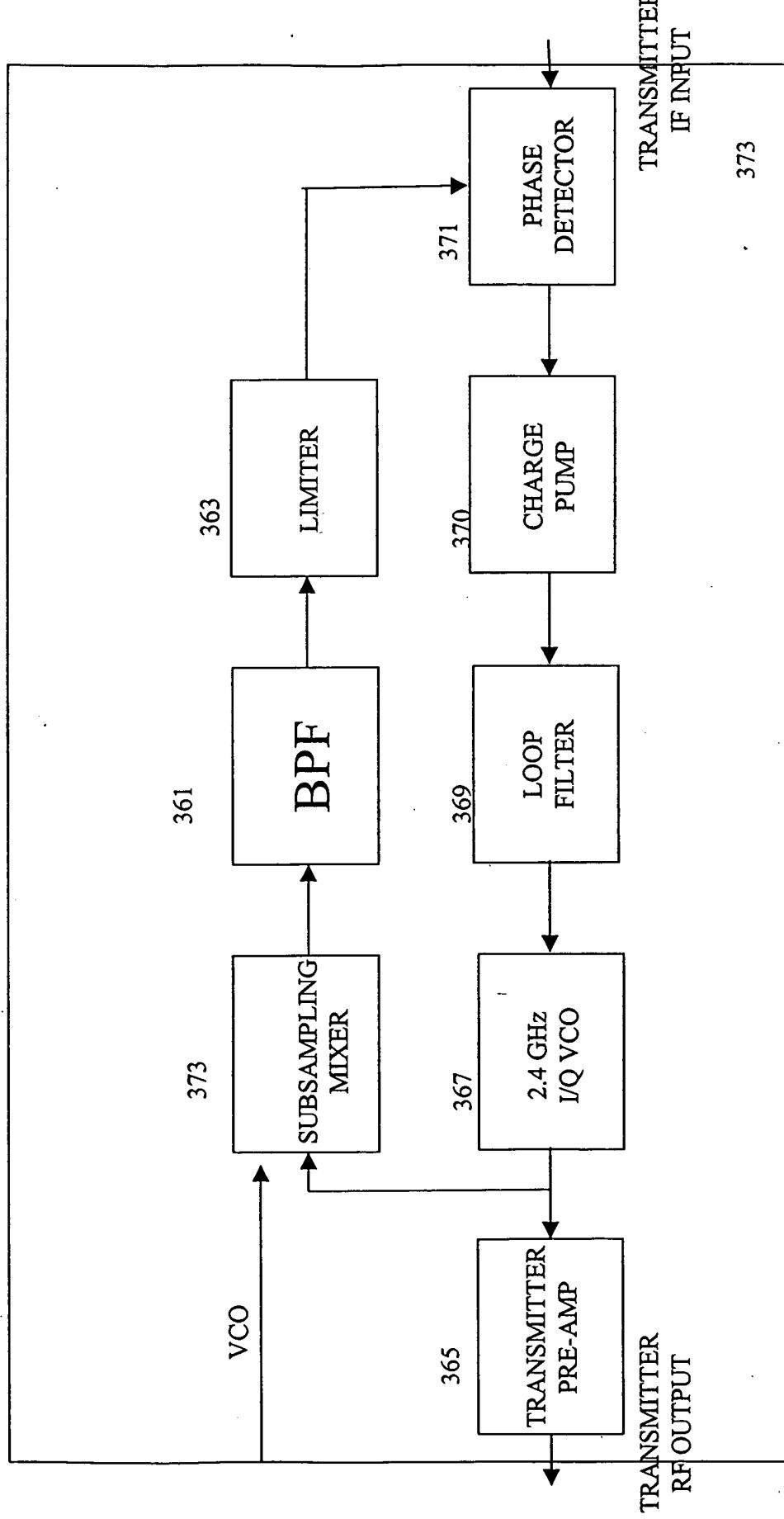


FIG. 36f

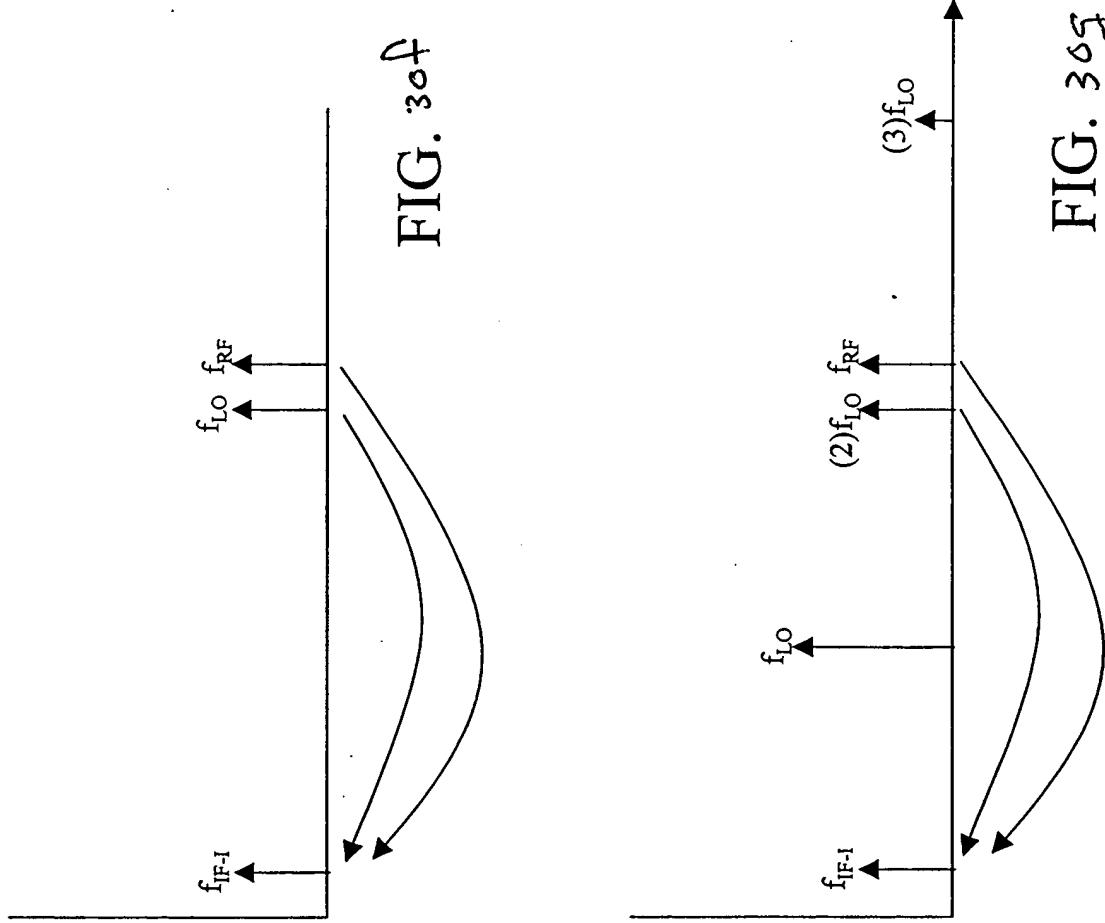


FIG. 36e

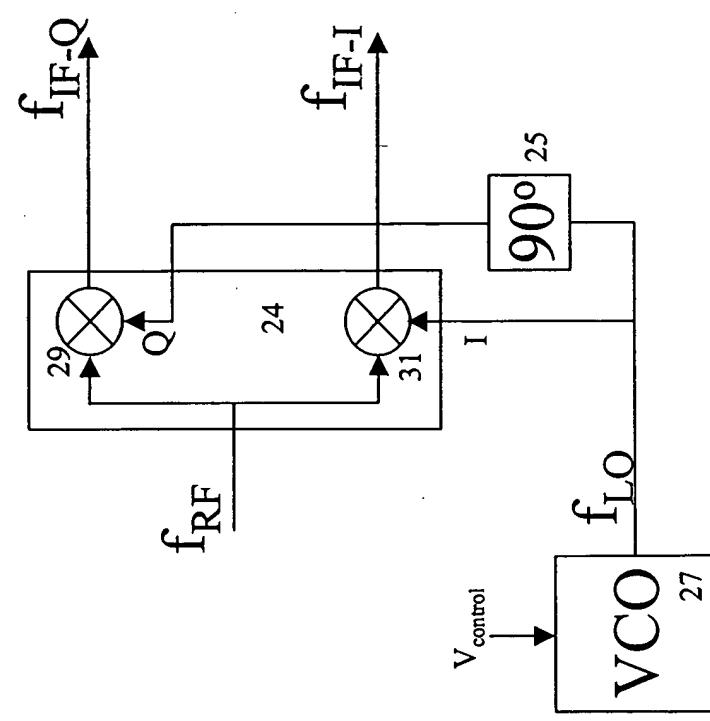
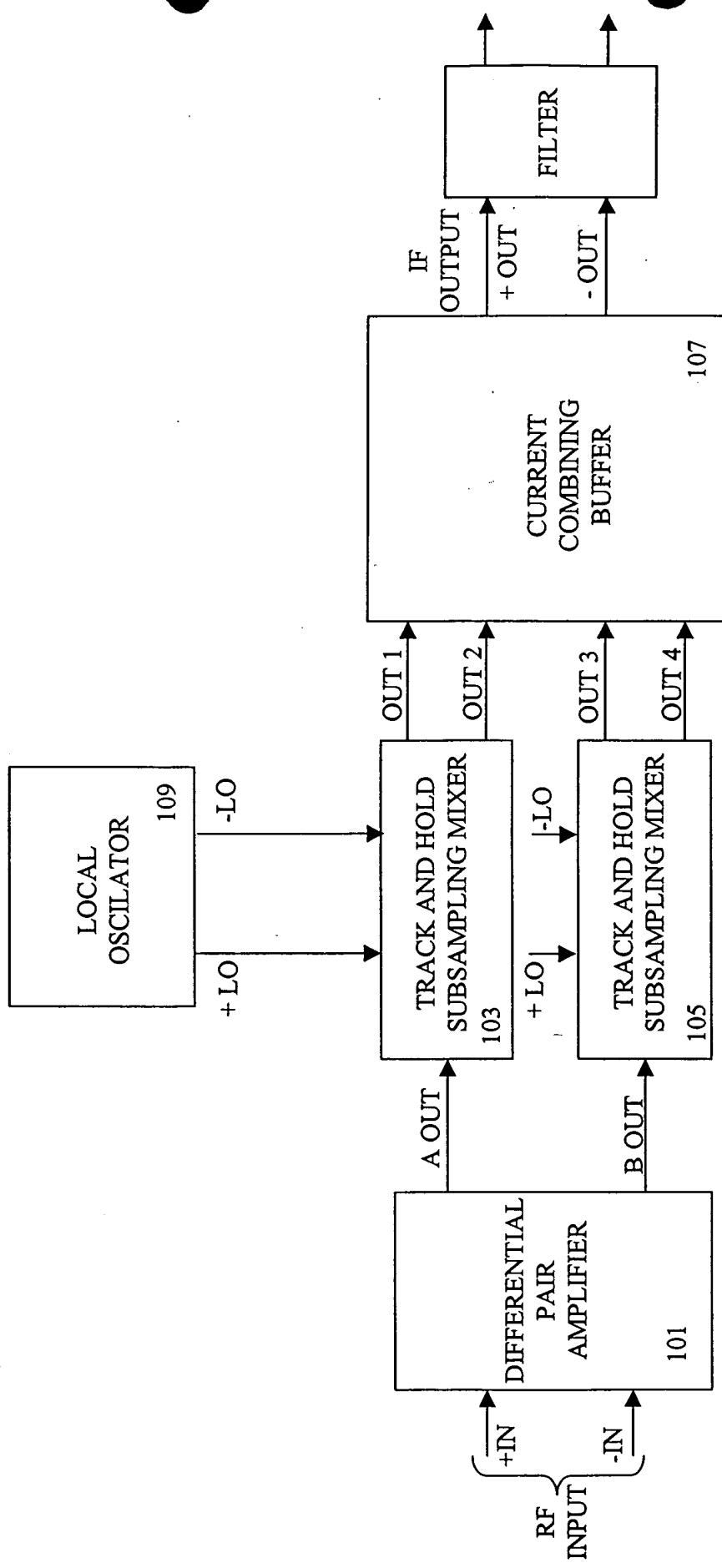


FIG. 36f

FIG. 30k



111

FIG. 30.1

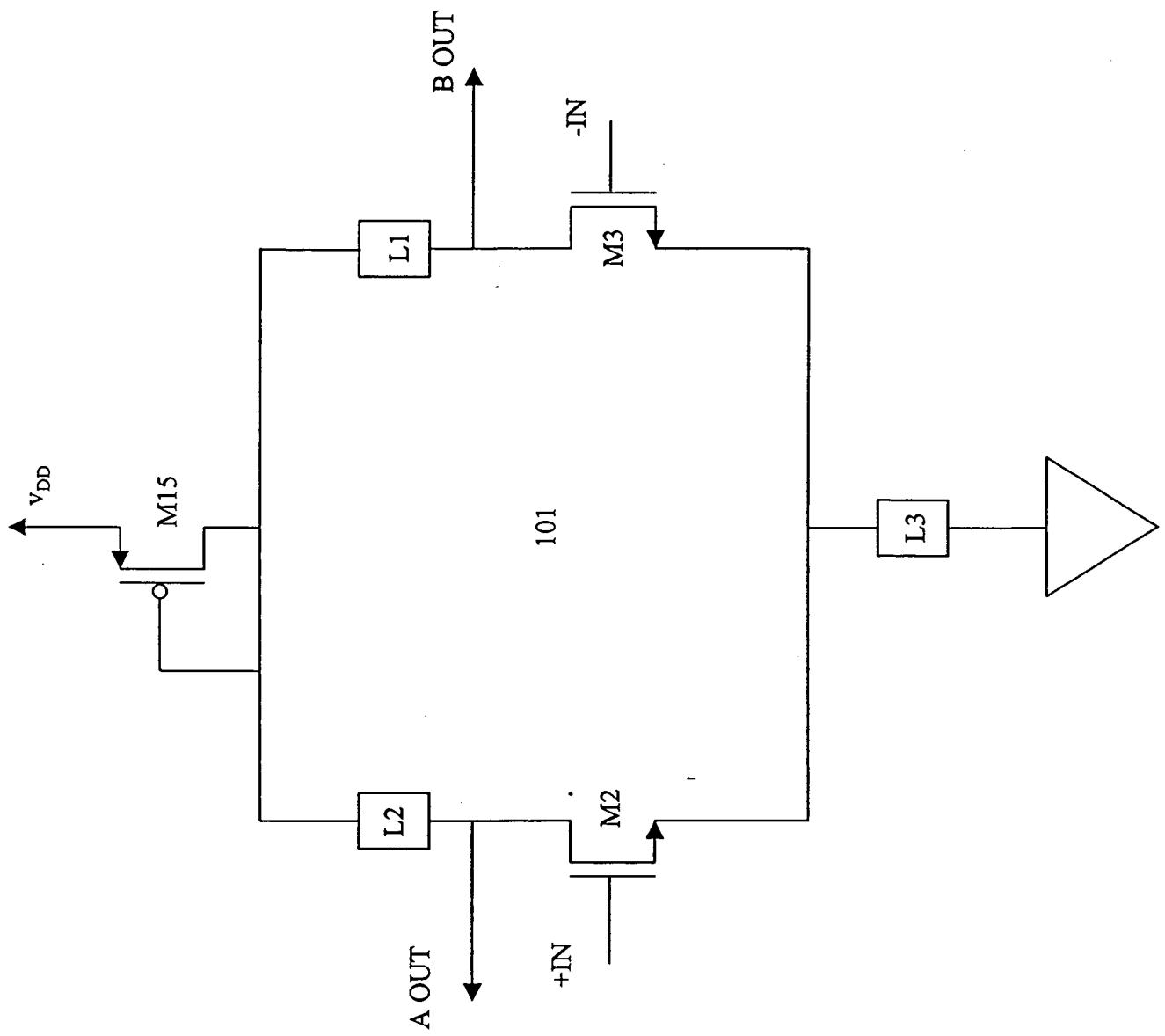


FIG. 30j

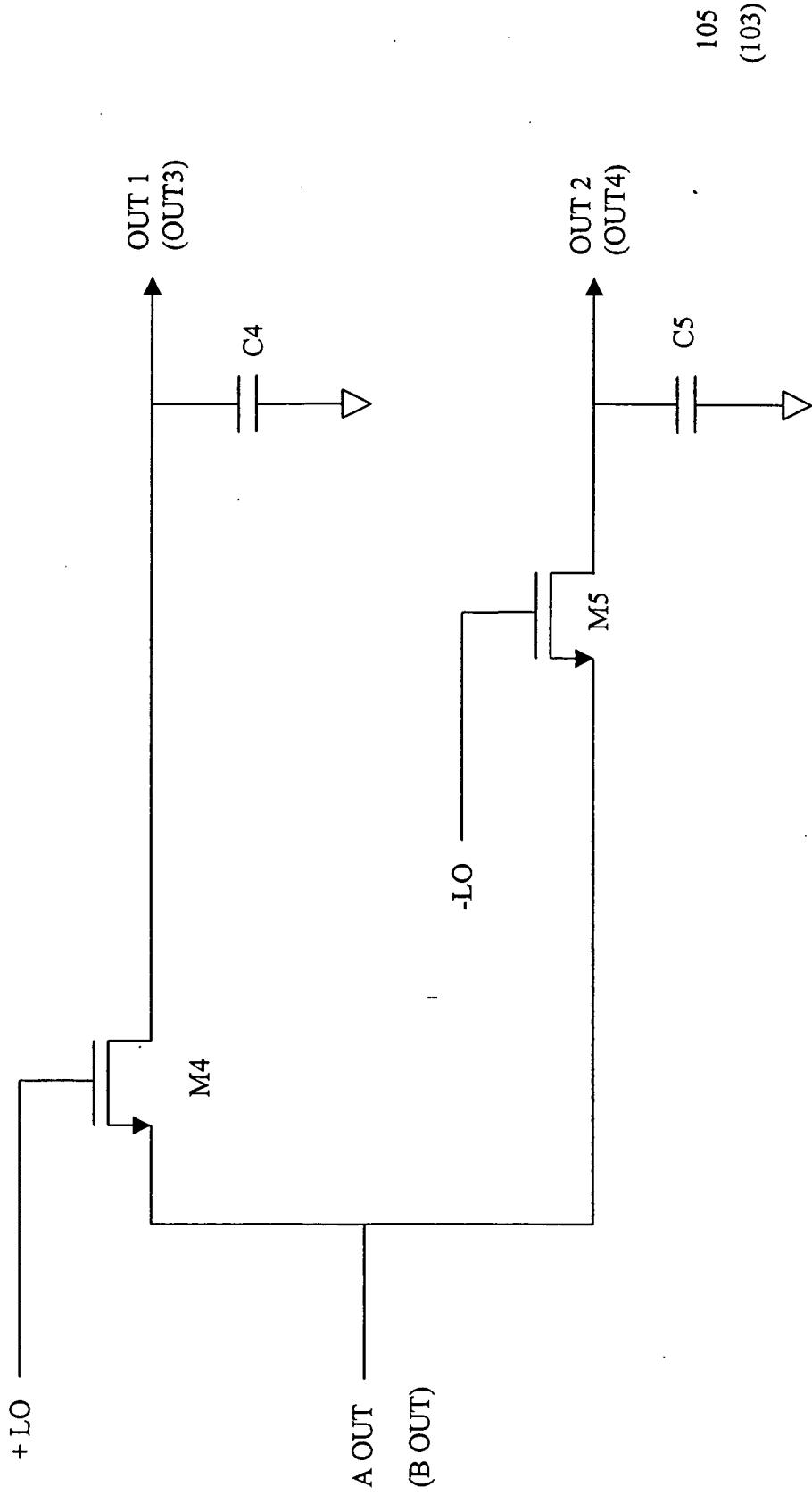


FIG. 30k

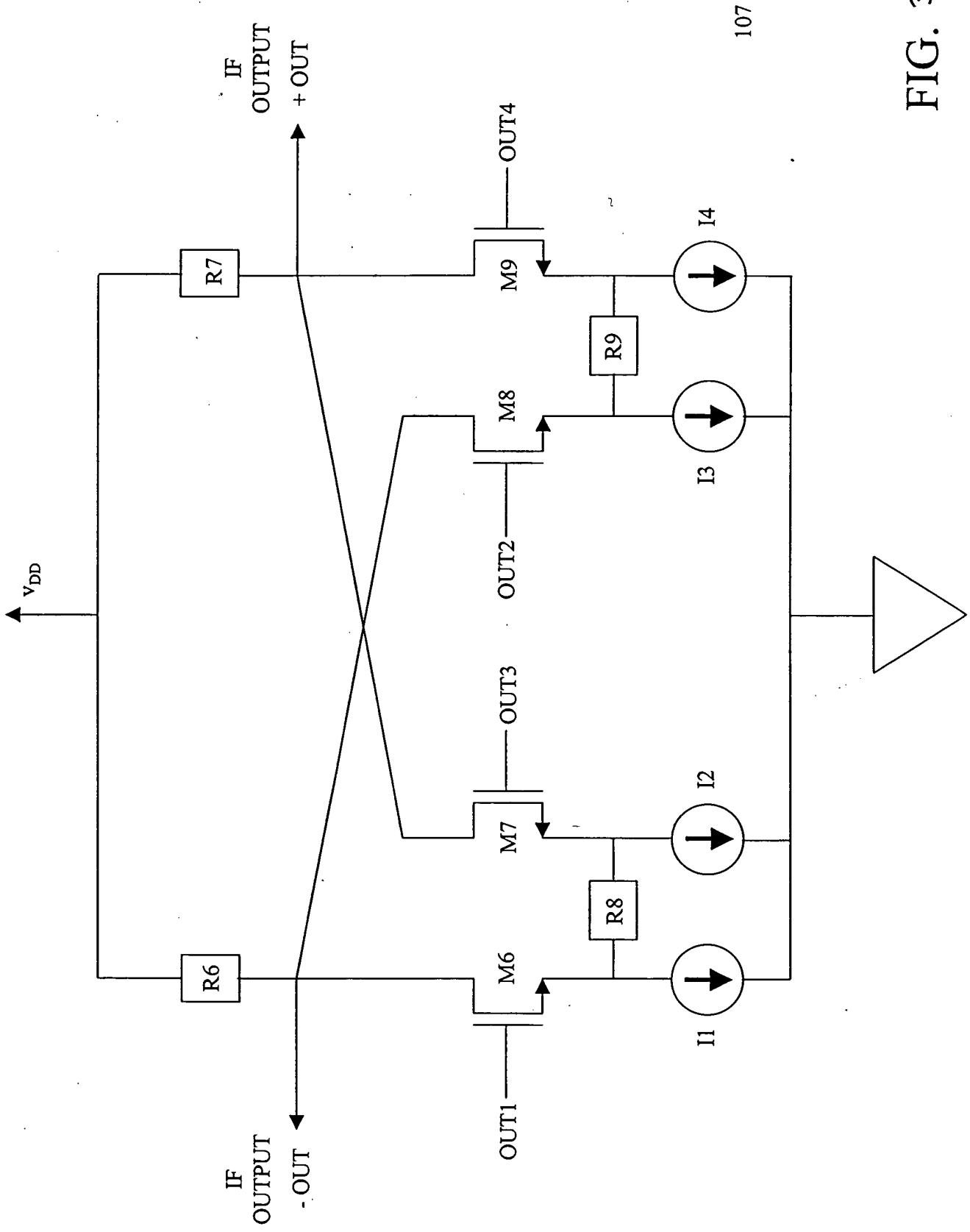
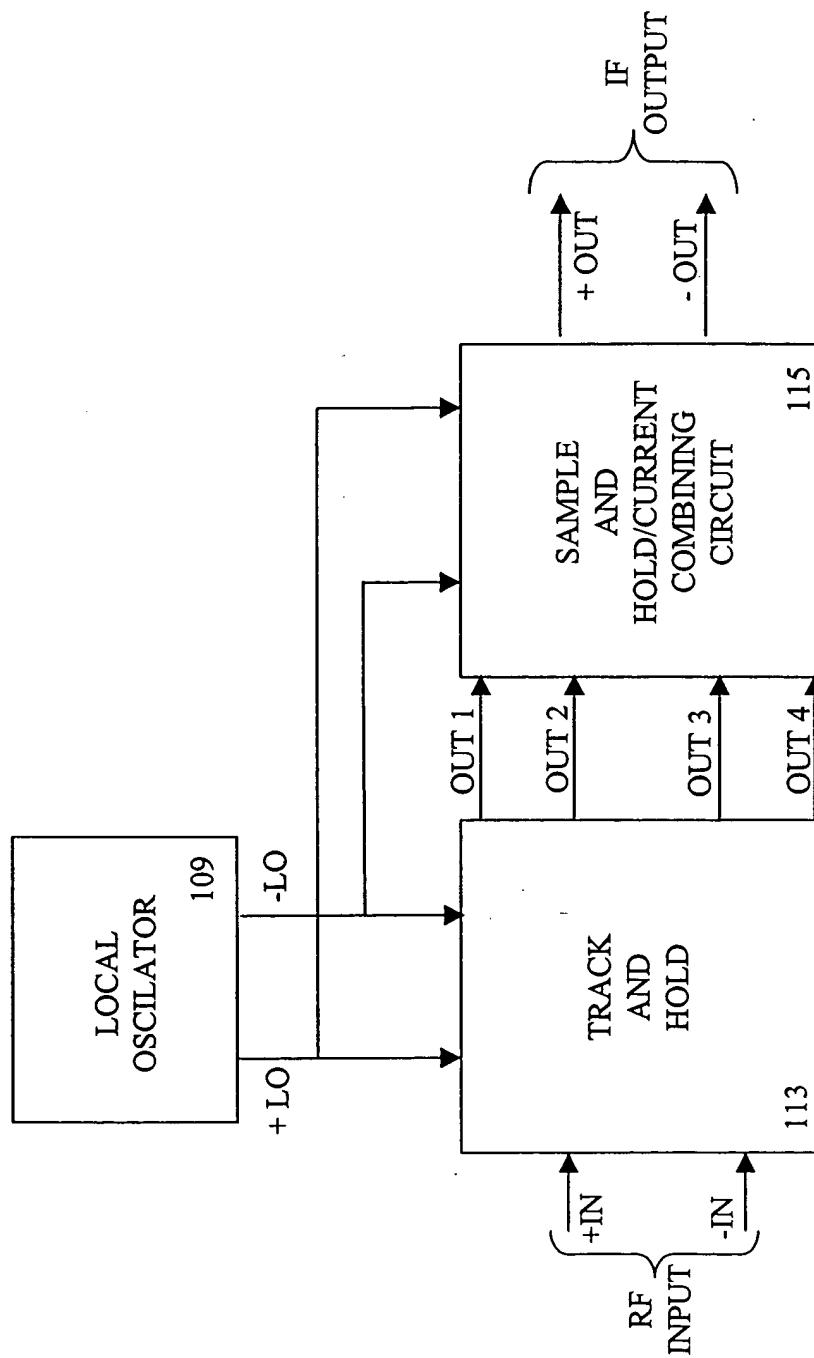


FIG. 50L



111

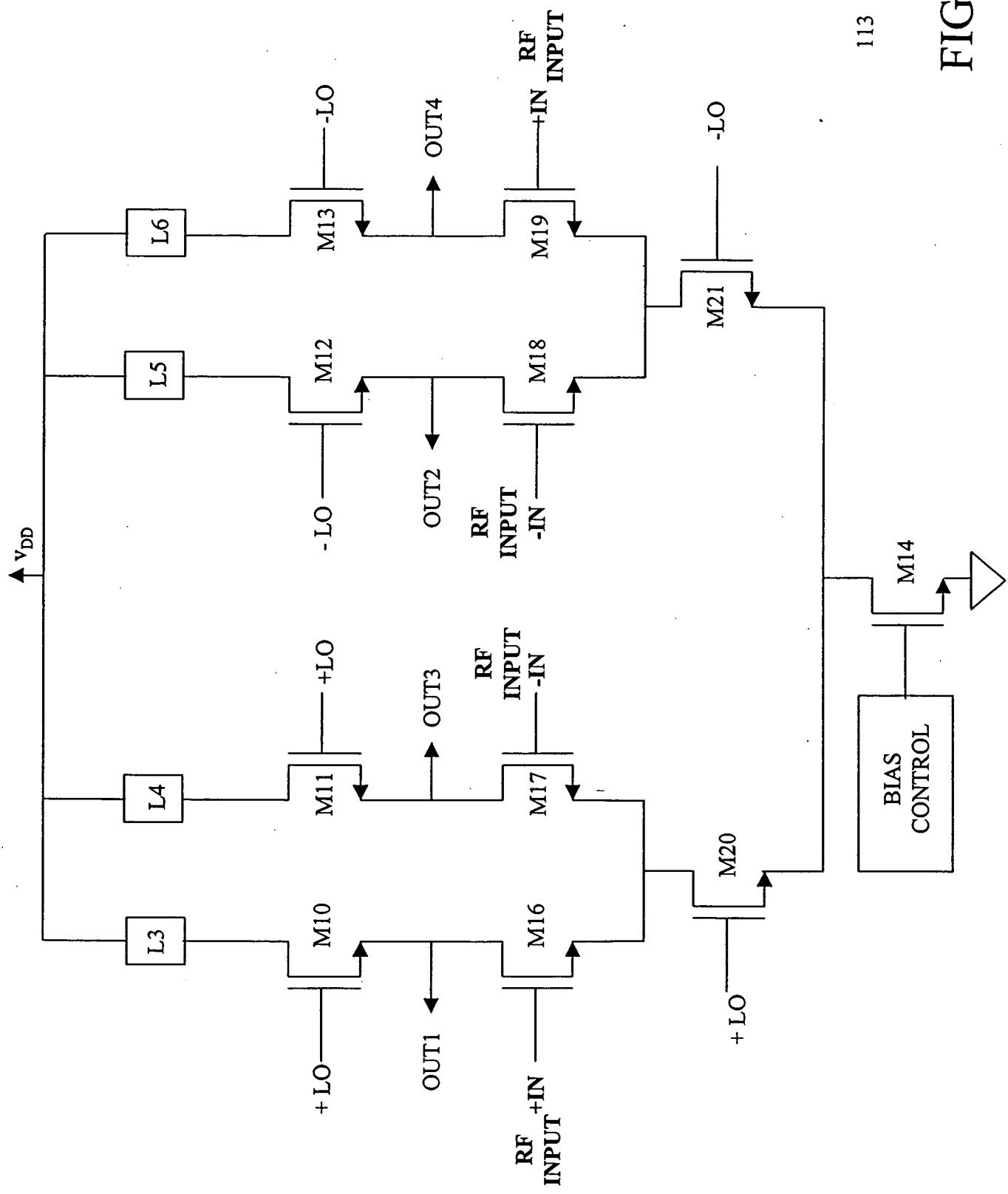


FIG. 30.m

113

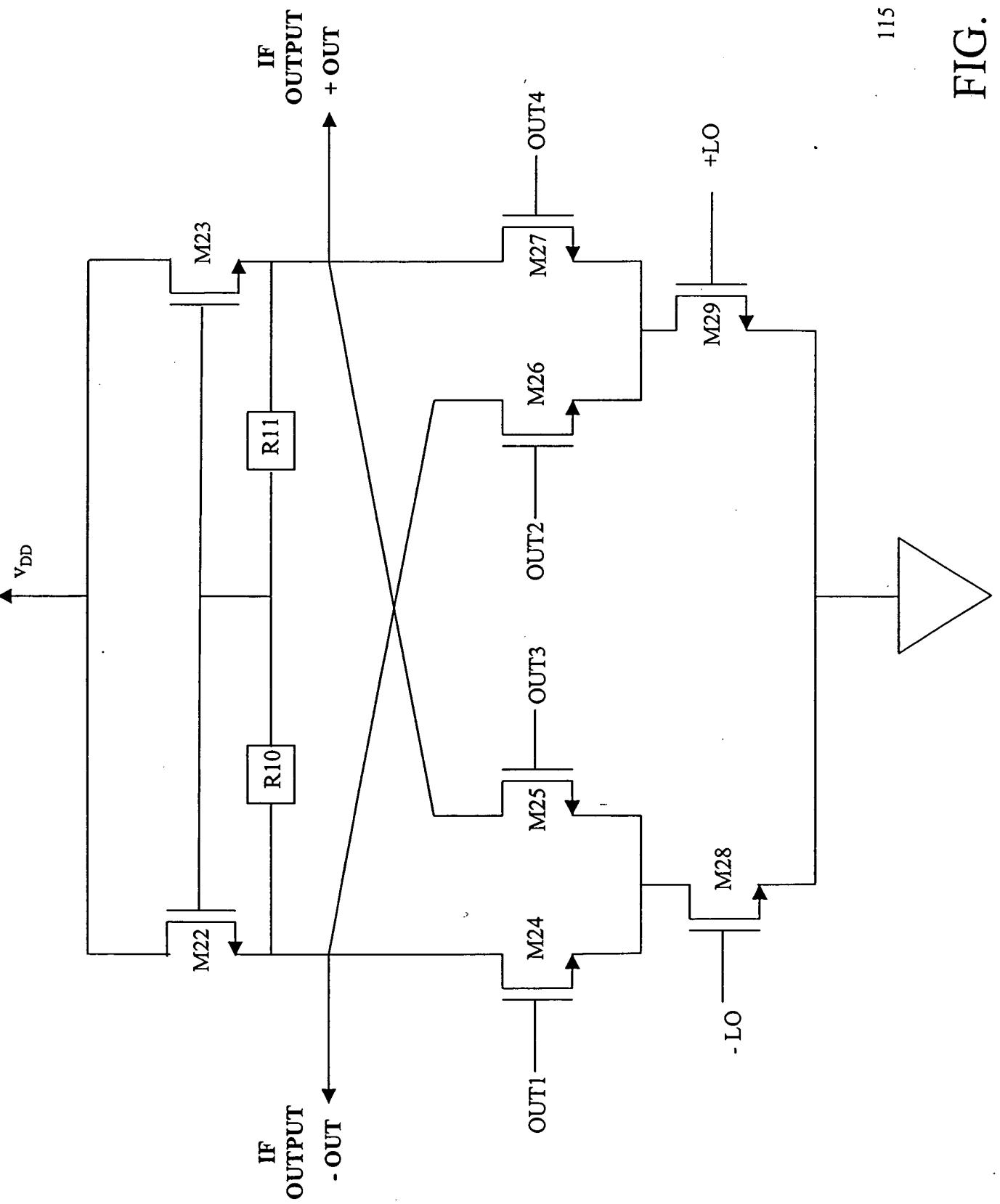


FIG. 30h

FIG. 31 (b)

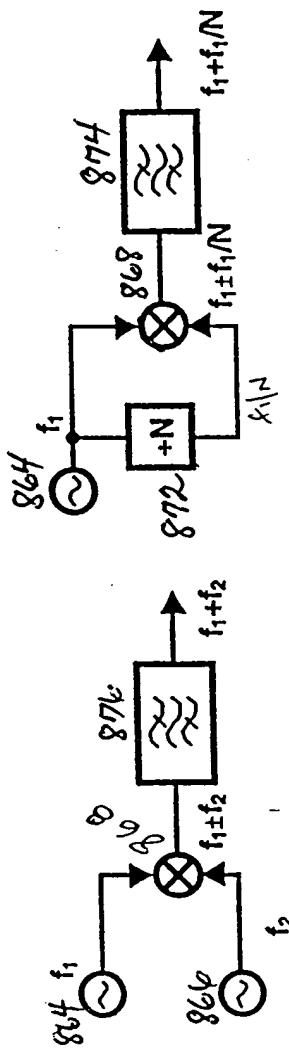


FIG. 31 (a)

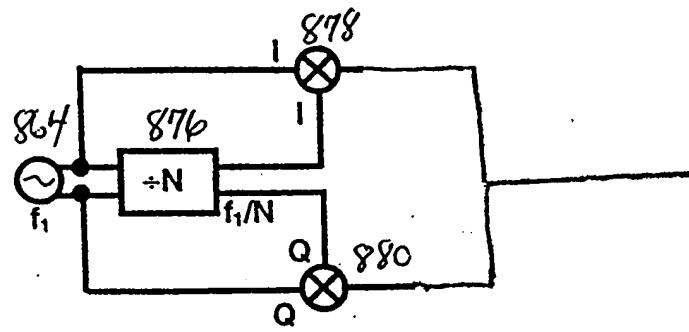
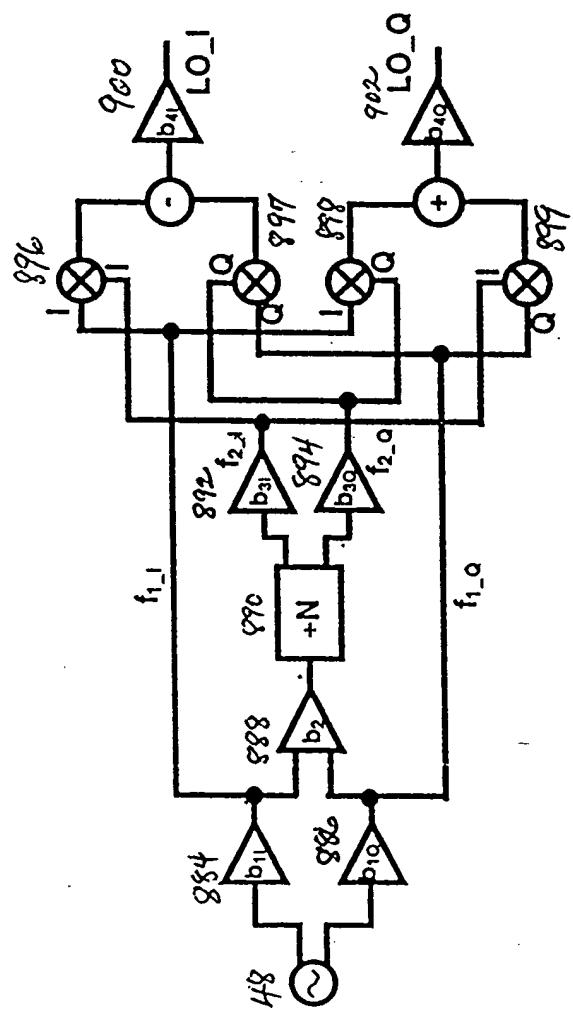


FIG. 32

FIG. 33(a)



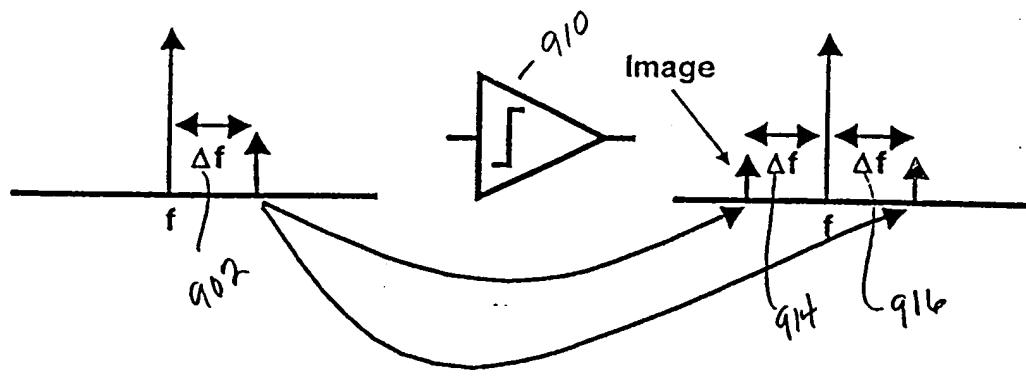


FIG. 33(b)

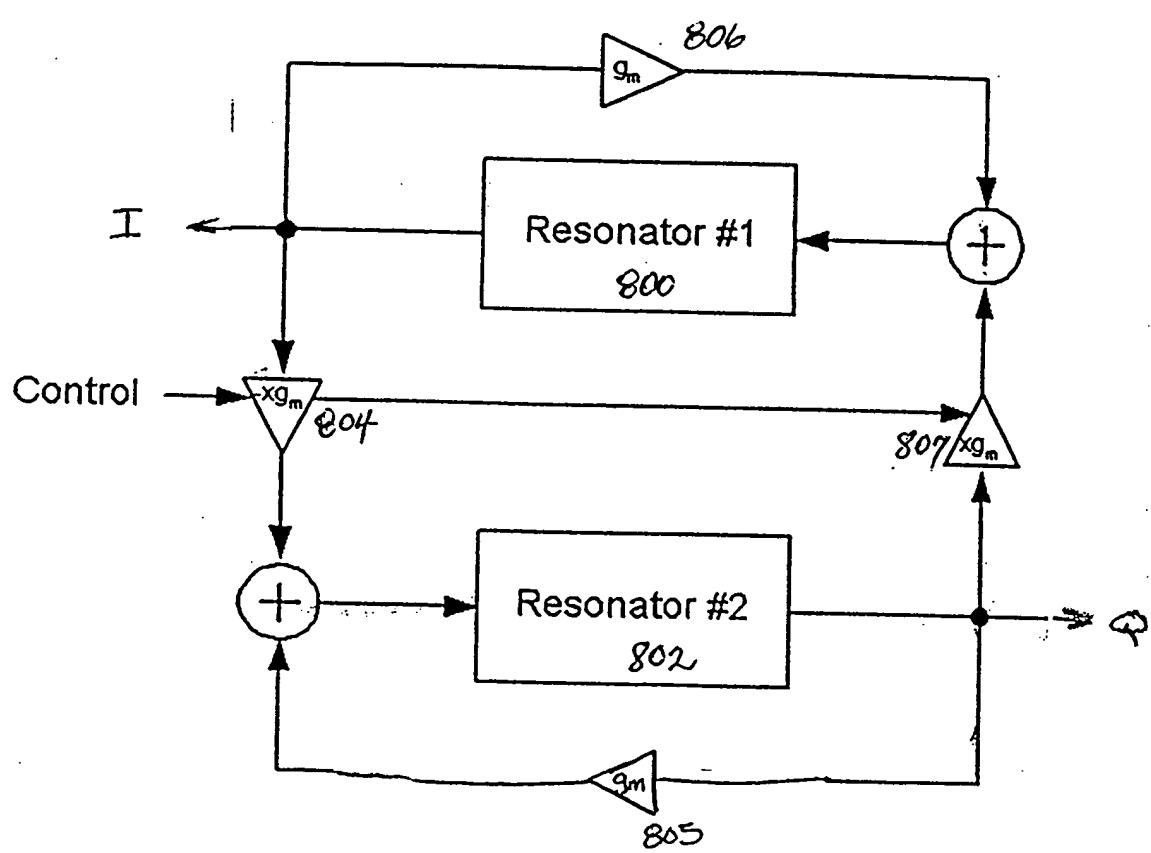


FIG. 34

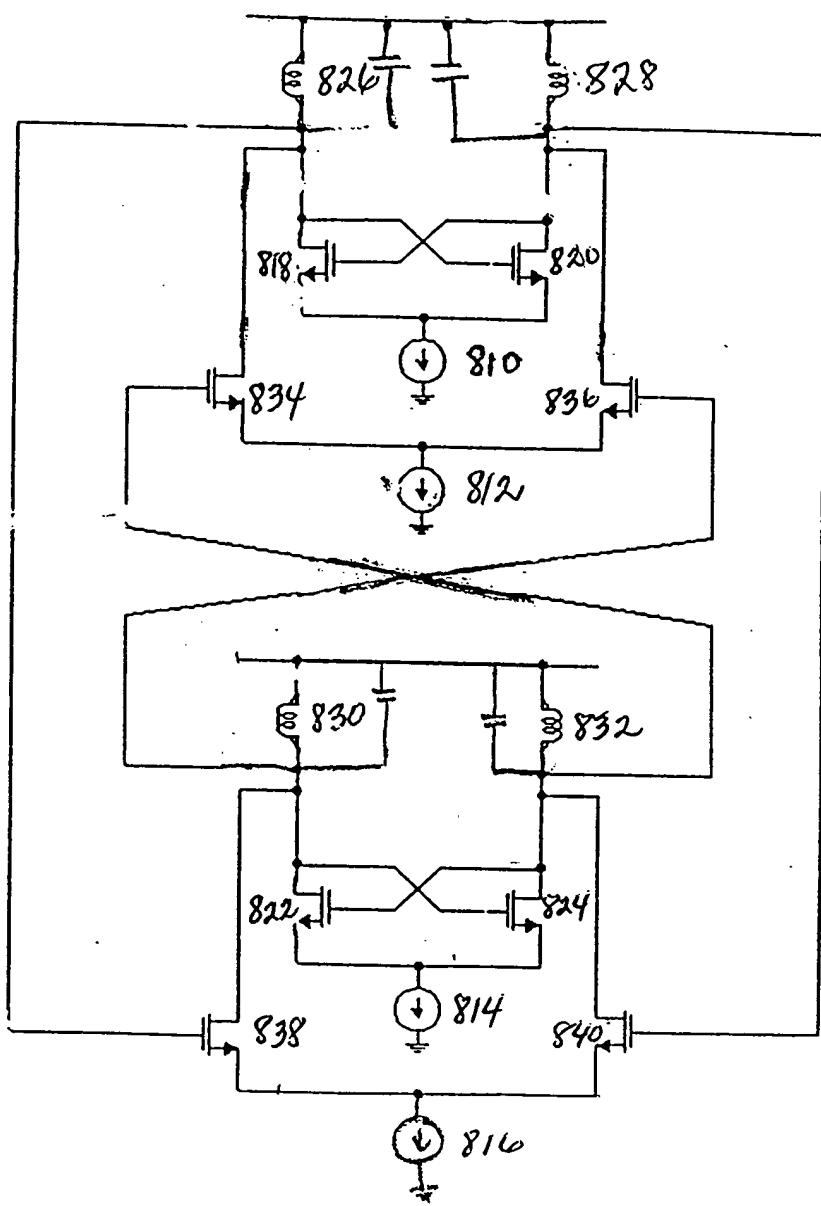


FIG. 35

FIG. 36(b)

Segmented VCO Tuning Curve

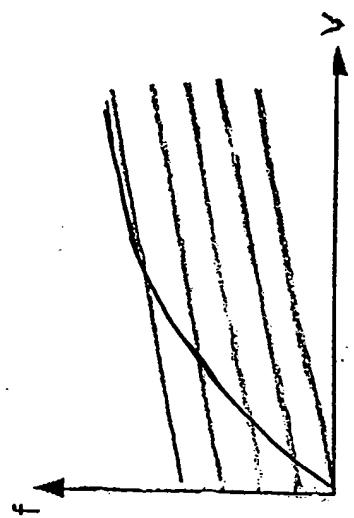


FIG. 36(a)

Typical VCO Tuning Curve

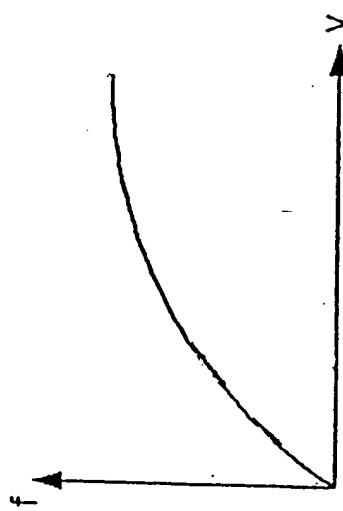


FIG. 37(a)

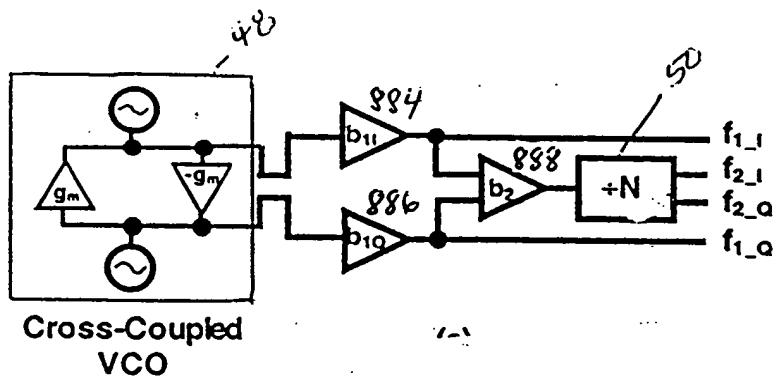
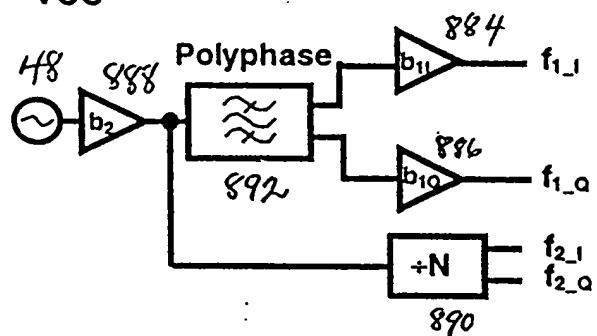


FIG. 37(b)



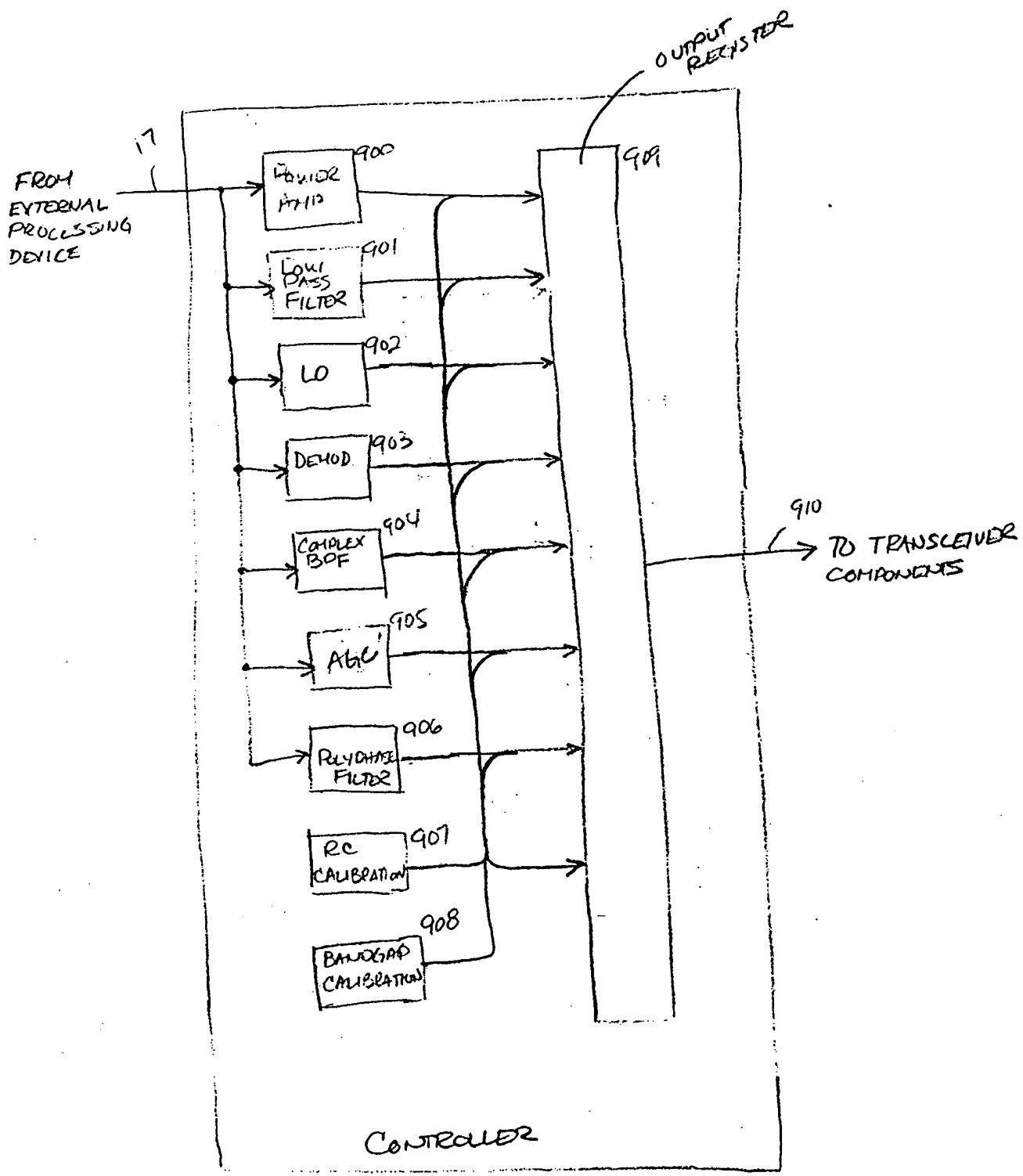


FIGURE 38

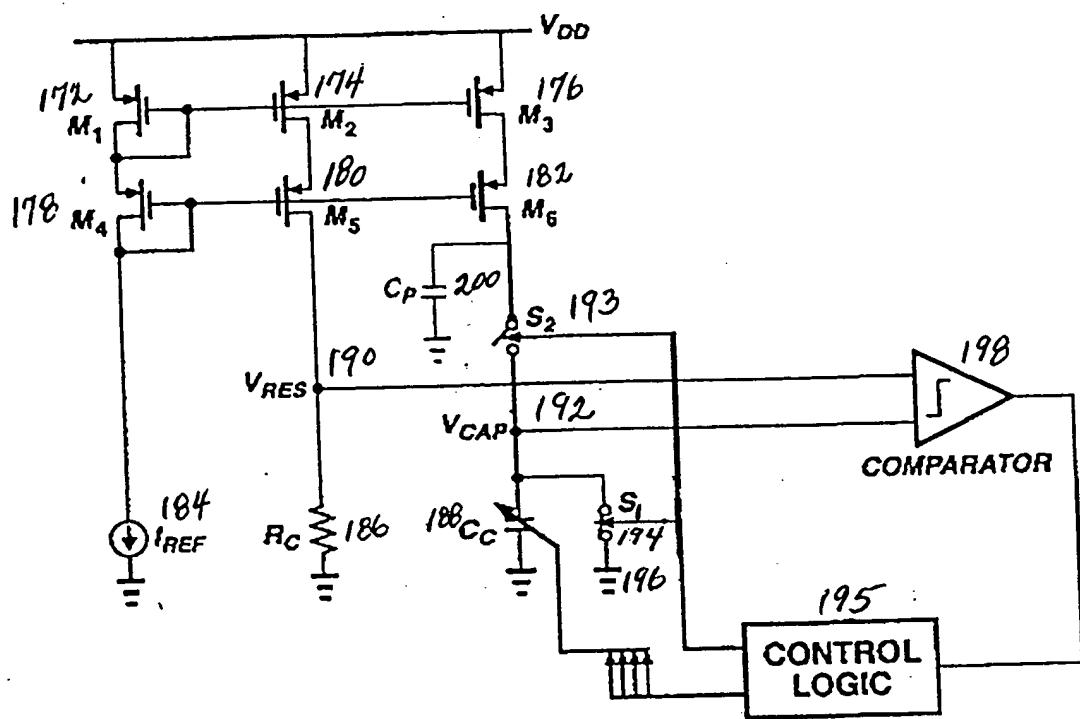


FIG.39

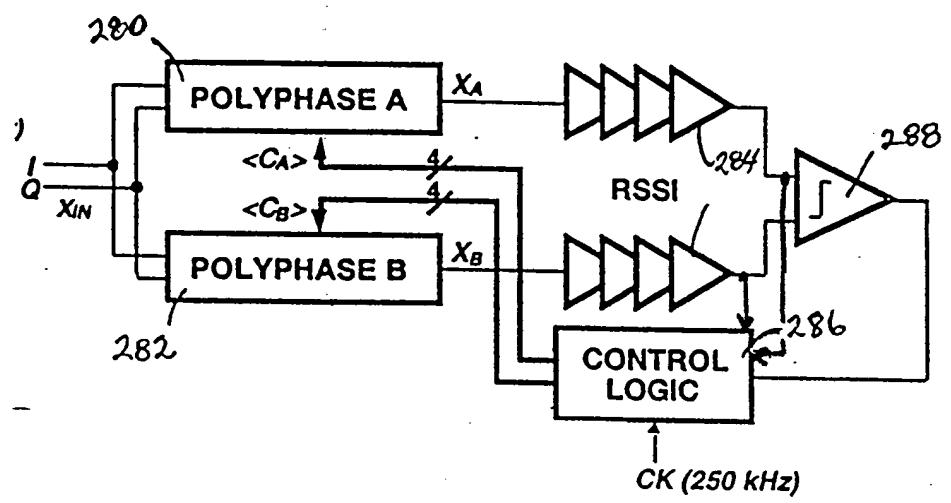


FIG. 40

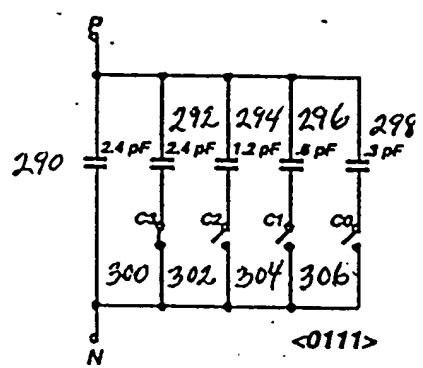


FIG. 41

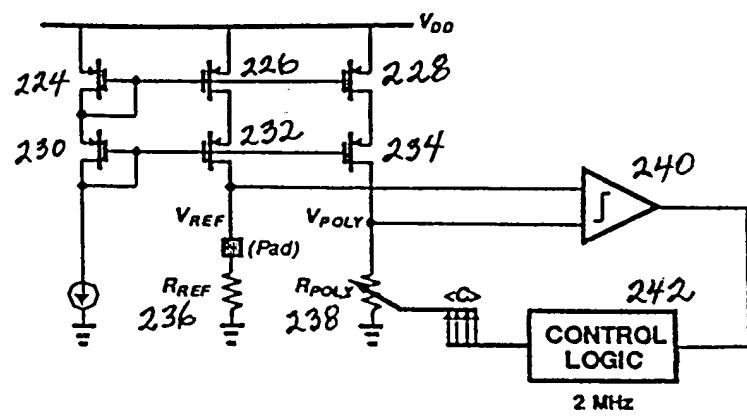


FIG. 42

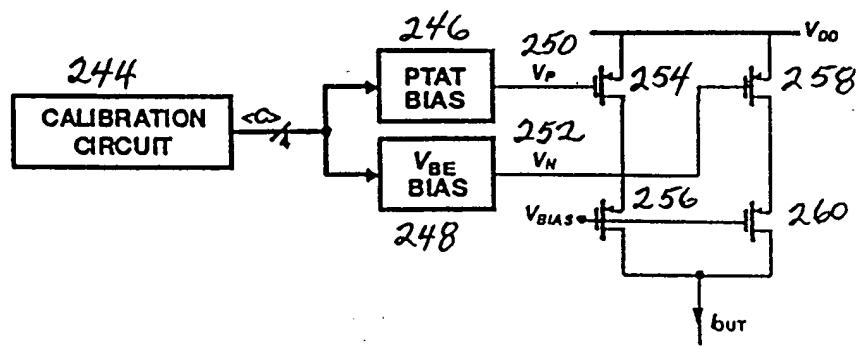


FIG. 43

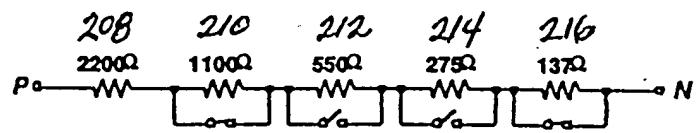


FIG. 44

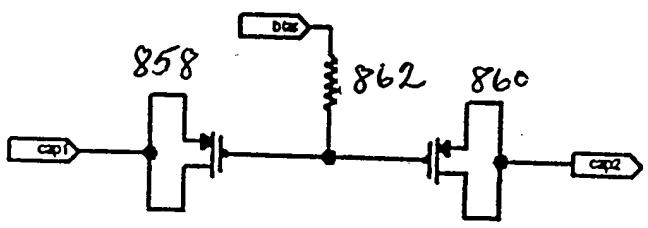


FIG. 45

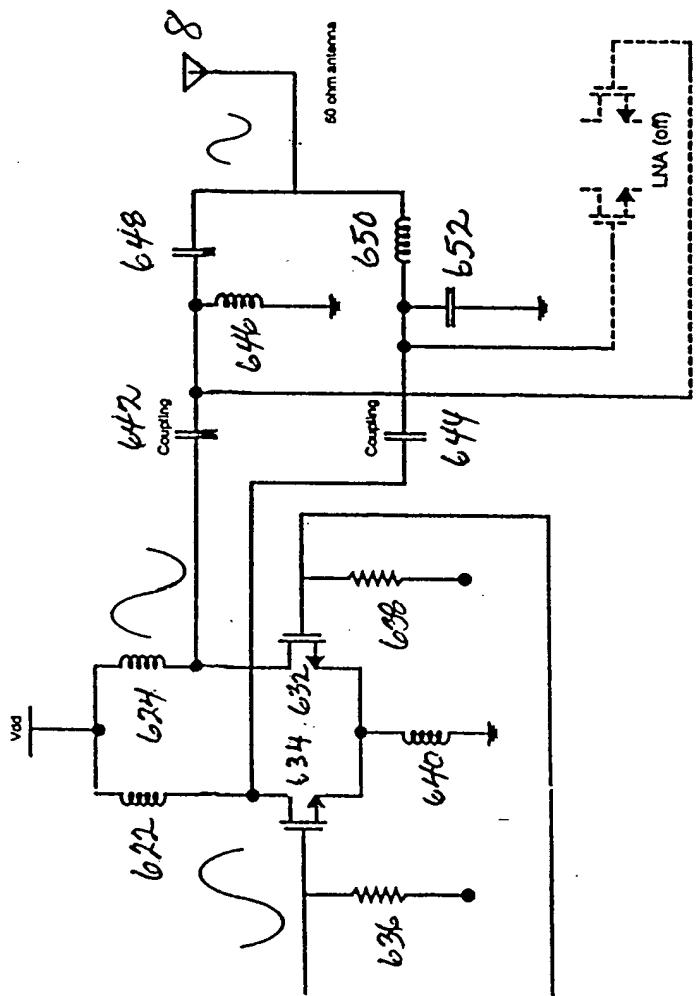


FIG. 46

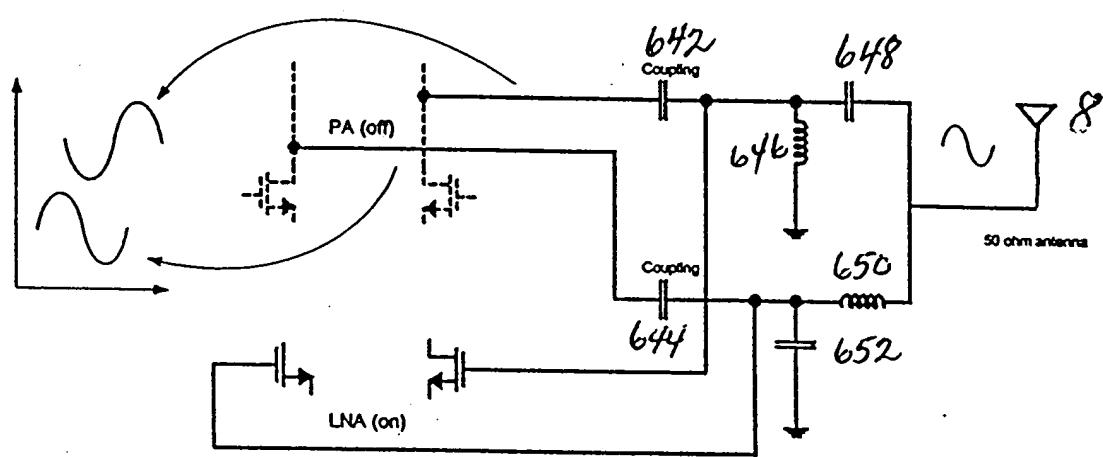


FIG. 47

FIG. 48a

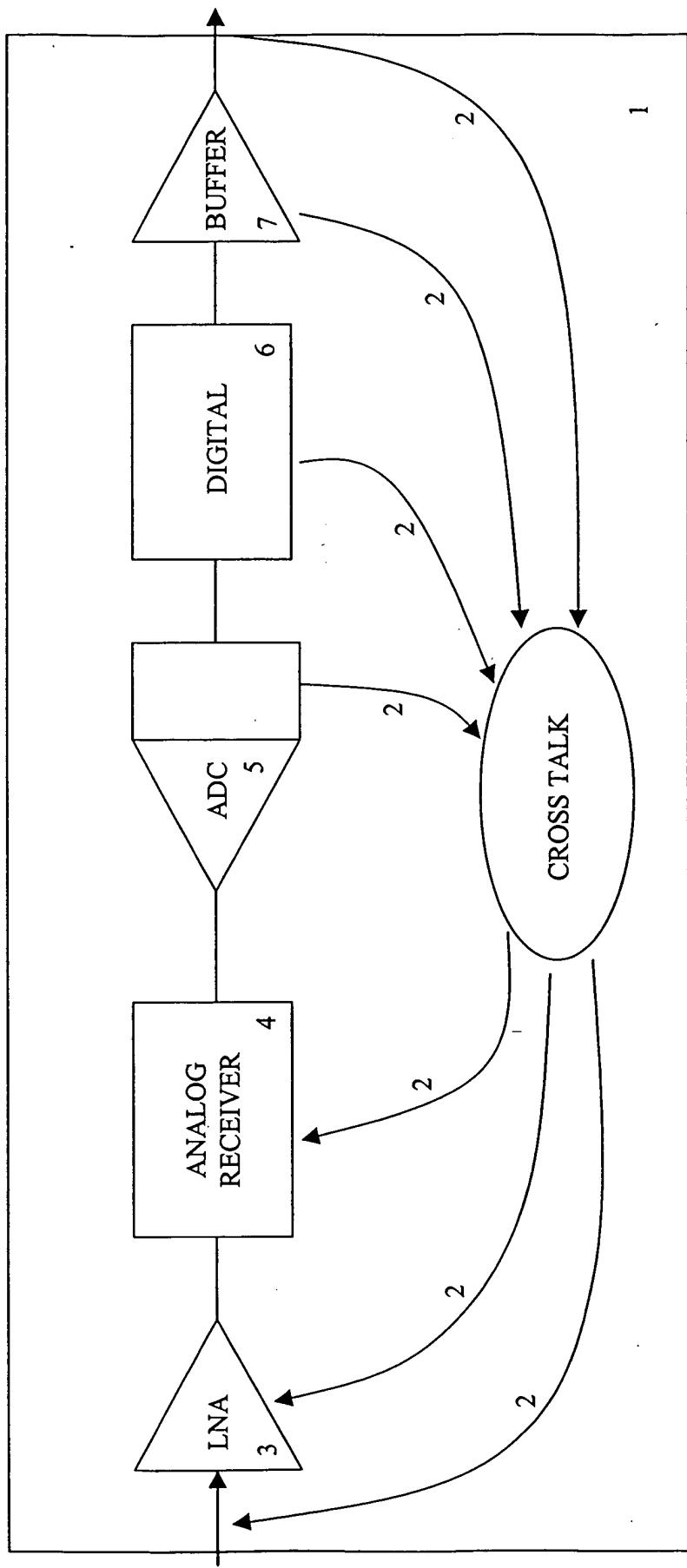


FIG. 486

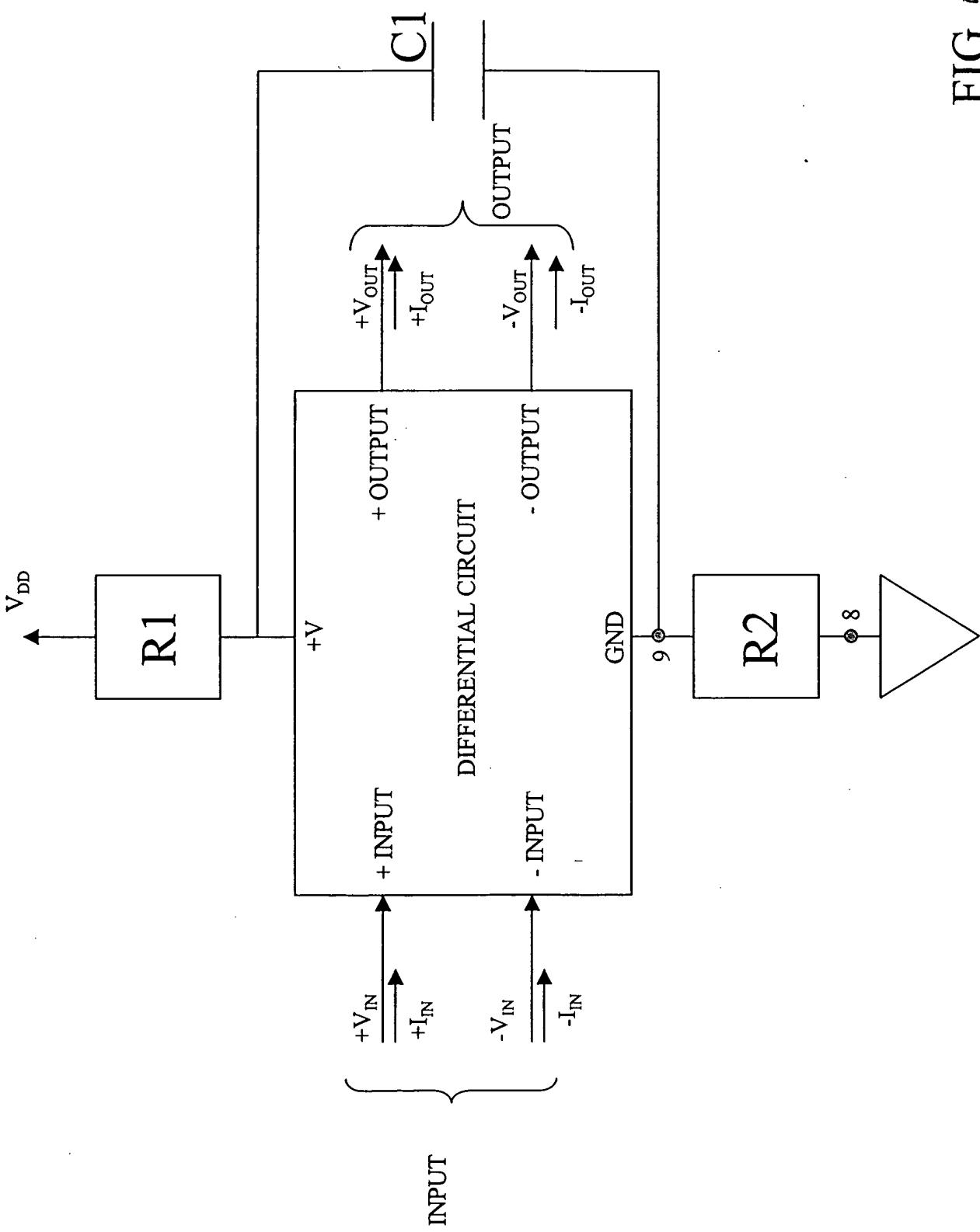


FIG. 48c

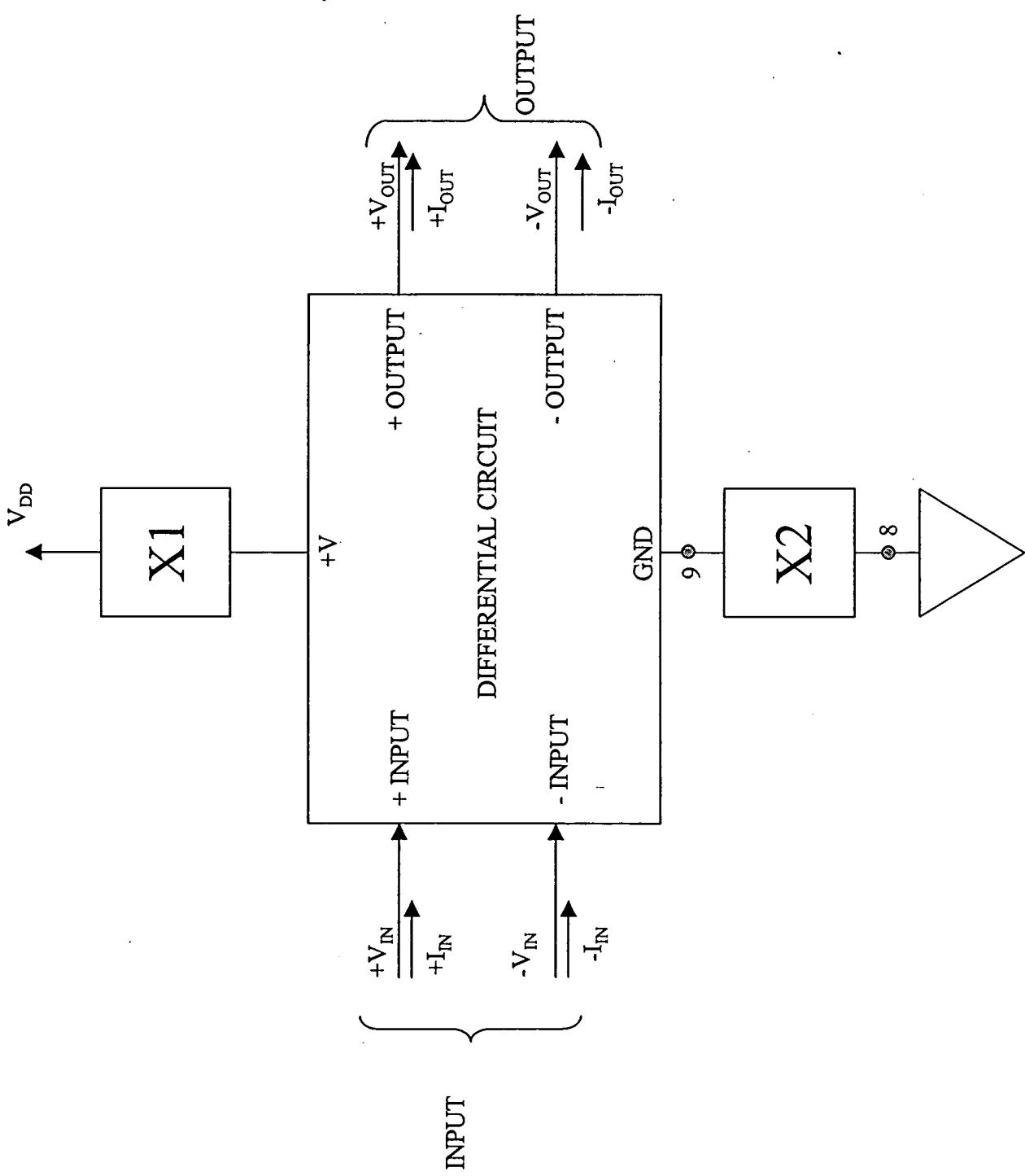


FIG. 48d

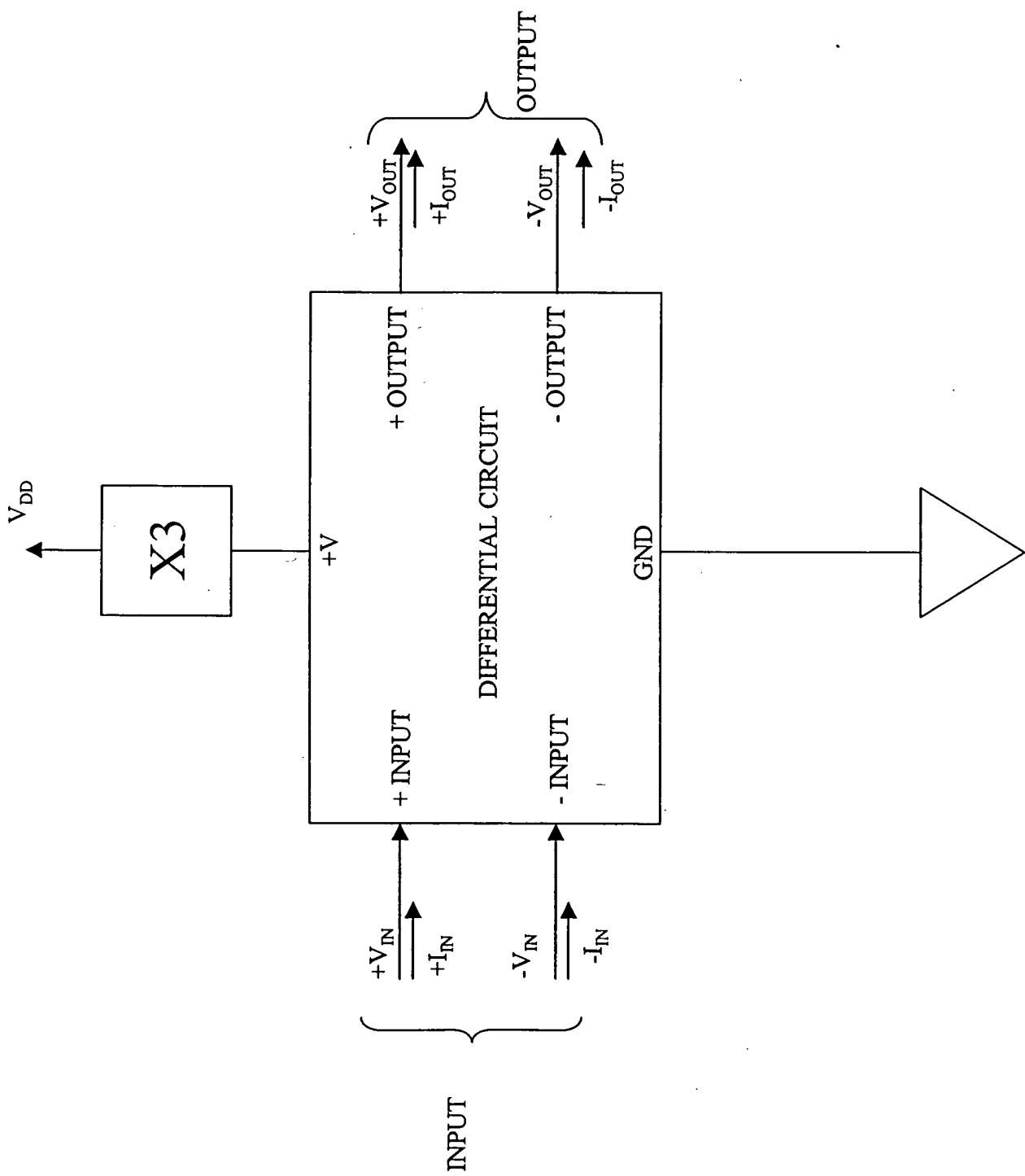


FIG. 48e

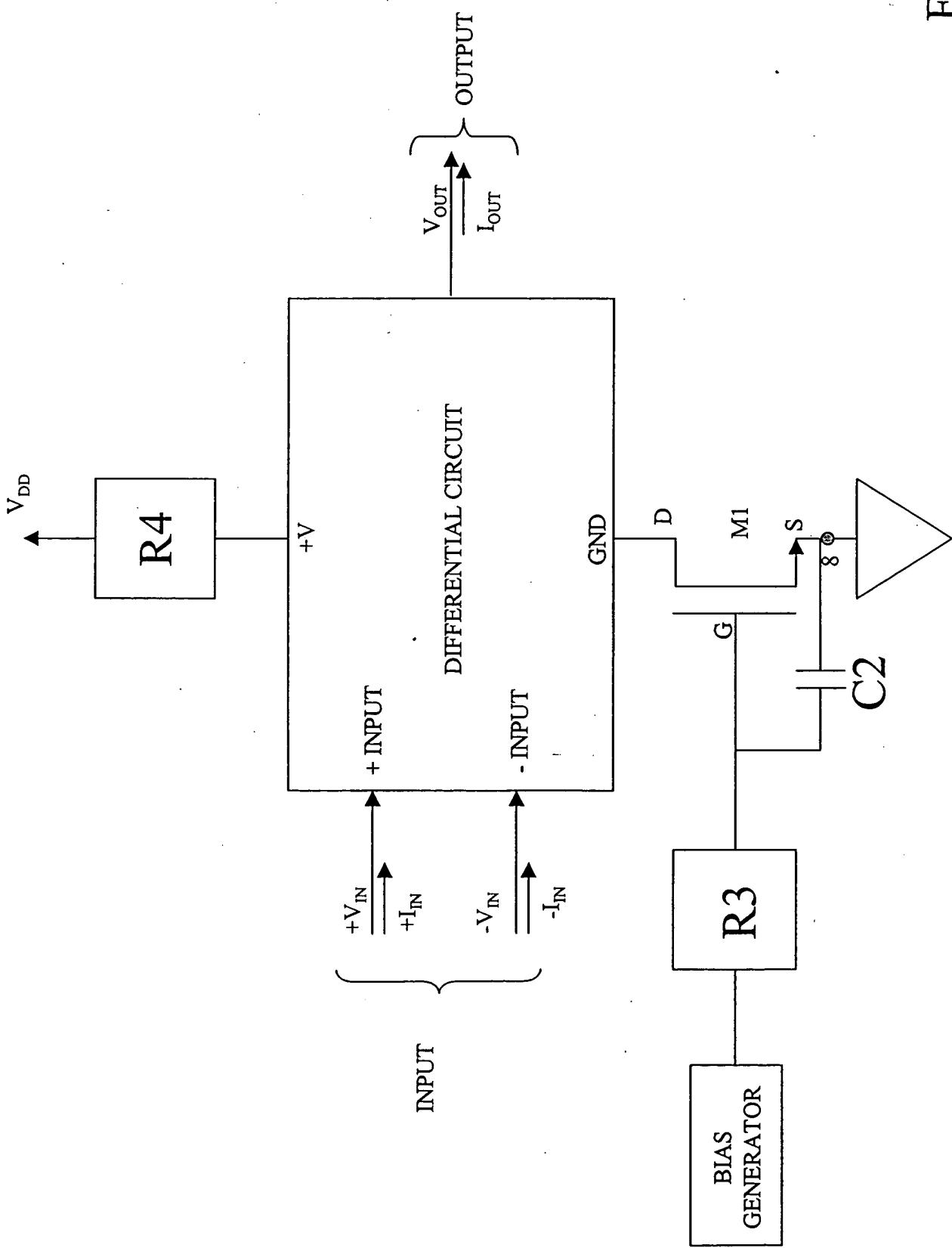


FIG. 48f

